

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012723\
 Data File : VY012381.D
 Acq On : 27 Jan 2023 14:18
 Operator : KP/MD
 Sample : MDL07
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/30/2023
 Supervised By :Mahesh Dadoda 01/30/2023

Quant Time: Jan 30 04:40:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 30 04:34:48 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	154002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	236550	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	211549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	107273	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	61480	42.940	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.880%
35) Dibromofluoromethane	7.722	113	55787	44.539	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.080%
50) Toluene-d8	10.179	98	199872	40.456	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	80.920%
62) 4-Bromofluorobenzene	12.483	95	73016	41.353	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	82.700%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	3646	2.709	ug/l	99
3) Chloromethane	2.113	50	3281	2.641	ug/l	97
4) Vinyl Chloride	2.253	62	4026	2.776	ug/l	90
5) Bromomethane	2.656	94	3878	3.459	ug/l	90
6) Chloroethane	2.796	64	2671	2.824	ug/l	97
7) Trichlorofluoromethane	3.131	101	7664	2.708	ug/l	99
8) Diethyl Ether	3.534	74	2116	2.512	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.899	101	3756	2.727	ug/l	91
10) Methyl Iodide	4.101	142	4706	2.248	ug/l	94
11) Tert butyl alcohol	4.930	59	6524	37.411	ug/l #	77
12) 1,1-Dichloroethene	3.875	96	4000	2.828	ug/l	84
13) Acrolein	3.735	56	971	13.497	ug/l	92
14) Allyl chloride	4.479	41	4055	2.319	ug/l #	78
15) Acrylonitrile	5.167	53	4271	11.610	ug/l	99
16) Acetone	3.954	43	4809	11.214	ug/l	92
17) Carbon Disulfide	4.198	76	11479	2.624	ug/l	99
18) Methyl Acetate	4.479	43	2710	2.824	ug/l	90
19) Methyl tert-butyl Ether	5.222	73	9800	2.486	ug/l #	88
20) Methylene Chloride	4.722	84	13839	5.897	ug/l #	84
21) trans-1,2-Dichloroethene	5.216	96	4212	2.669	ug/l	83
22) Diisopropyl ether	6.118	45	7908	2.268	ug/l #	83
23) Vinyl Acetate	6.064	43	22086	10.166	ug/l #	89
24) 1,1-Dichloroethane	6.015	63	6546	2.707	ug/l #	93
25) 2-Butanone	6.990	43	5653	11.941	ug/l #	74
26) 2,2-Dichloropropane	6.978	77	8564	3.262	ug/l	88
27) cis-1,2-Dichloroethene	6.984	96	4630	2.671	ug/l	95
28) Bromochloromethane	7.338	49	1504	2.848	ug/l #	44
29) Tetrahydrofuran	7.344	42	3009	11.571	ug/l #	86
30) Chloroform	7.502	83	7966	2.790	ug/l	91
31) Cyclohexane	7.789	56	7685	3.423	ug/l #	54
32) 1,1,1-Trichloroethane	7.704	97	7659	2.710	ug/l	99
36) 1,1-Dichloropropene	7.917	75	5591	2.626	ug/l	98
37) Ethyl Acetate	7.088	43	2191	2.335	ug/l #	93
38) Carbon Tetrachloride	7.899	117	7617	2.771	ug/l	91
39) Methylcyclohexane	9.185	83	6489	2.494	ug/l #	85
40) Benzene	8.167	78	16429	2.674	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	1168m	2.117	ug/l	
42) 1,2-Dichloroethane	8.240	62	5248	2.683	ug/l	99
43) Isopropyl Acetate	8.277	43	3853	2.207	ug/l #	86
44) Trichloroethene	8.941	130	4879	2.657	ug/l	95
45) 1,2-Dichloropropane	9.215	63	3248	2.534	ug/l	91
46) Dibromomethane	9.301	93	2239	2.609	ug/l	90
47) Bromodichloromethane	9.496	83	5641	2.611	ug/l #	96
48) Methyl methacrylate	9.295	41	1724	2.143	ug/l	89
49) 1,4-Dioxane	9.289	88	557	47.628	ug/l #	67
51) 4-Methyl-2-Pentanone	10.069	43	9768	10.492	ug/l	97
52) Toluene	10.240	92	11136	2.722	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	5654	2.502	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	6078	2.497	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	3033	2.487	ug/l	92
56) Ethyl methacrylate	10.508	69	3580	2.238	ug/l	89
57) 1,3-Dichloropropane	10.788	76	5002	2.512	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.782	63	6392	12.076	ug/l #	87
59) 2-Hexanone	10.831	43	6796	9.588	ug/l	94
60) Dibromochloromethane	10.983	129	4027	2.490	ug/l	99
61) 1,2-Dibromoethane	11.087	107	2863	2.433	ug/l	98
64) Tetrachloroethene	10.721	164	5383	2.789	ug/l	96
65) Chlorobenzene	11.520	112	11815	2.730	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	4678	2.863	ug/l	96
67) Ethyl Benzene	11.593	91	20544	2.656	ug/l	99
68) m/p-Xylenes	11.703	106	16159	5.283	ug/l	95
69) o-Xylene	12.032	106	7287	2.494	ug/l	99
70) Styrene	12.044	104	12937	2.650	ug/l	97
71) Bromoform	12.209	173	2737	2.622	ug/l #	99
73) Isopropylbenzene	12.331	105	19485	2.519	ug/l	96
74) N-amyl acetate	12.142	43	3088	2.036	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	3127	2.566	ug/l	96
76) 1,2,3-Trichloropropane	12.636	75	2597m	2.633	ug/l	
77) Bromobenzene	12.605	156	5289	2.841	ug/l	87
78) n-propylbenzene	12.672	91	23354	2.580	ug/l	96
79) 2-Chlorotoluene	12.758	91	13382	2.615	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	17533	2.607	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	1209	2.525	ug/l	88
82) 4-Chlorotoluene	12.855	91	14309	2.662	ug/l	98
83) tert-Butylbenzene	13.075	119	14791	2.524	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	16278	2.455	ug/l	98
85) sec-Butylbenzene	13.251	105	22236	2.665	ug/l	96
86) p-Isopropyltoluene	13.367	119	18669	2.561	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	10435	2.819	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	10573	2.864	ug/l	92
89) n-Butylbenzene	13.696	91	15972	2.528	ug/l	97
90) Hexachloroethane	13.959	117	3613	2.745	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	8472	2.565	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.355	75	610	2.423	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	5195	2.454	ug/l	97
94) Hexachlorobutadiene	15.117	225	3644	2.860	ug/l	96
95) Naphthalene	15.239	128	9147	2.190	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	4444	2.440	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Reviewed By :Krupa Patel 01/30/2023
Supervised By :Mahesh Dadoda 01/30/2023

Abundance

TIC: VY012381.D\data.ms

Time-->

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

Dichlorodifluoromethane, T
Chloromethane, P
Vinyl Chloride, C
Bromomethane, T
Chloroethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
Acetone, T
Methyl Chloride, T
Methyl Acetate, T
Methylene Chloride, T
Tert butyl alcohol, T
Acetone, T
Methyl Ethyl Ether, T
1,1,1-Trichloroethane, P
Ethyl Acetate, T
Methyl Chloride, T
Chloroform, C
1,1,1-Trichloroethane, T
1,2-Dichloroethane, S
1,2-Dichloroethane-d4, S
Isobutyl Acetate, T
1,2-Dichloroethane, T
1,4-Difluorobenzene, I
Trichloroethene, TM
Bromodichloromethane, T
Bromodichloroethane, T
2-Chloroethyl Vinyl ether, T
cis-1,3-Dichloropropene, T
4-Methyl-2-Pentanone, T
Toluene, CM
Ethyl 2-Bromochloropropene, T
1,2-Dichloroethane, T
1,2-Dibromochloroethane, T
Chlorobenzene, T
Chlorobenzene-d5, I
Bromobenzene, T
Styrene, T
trans-1,4-Dichlorobutadiene, T
1,3-Cyclohexadiene, T
4-Chlorobutadiene, T
tert-Butylbenzene, T
sec-Butylbenzene, T
p-Isobutylbenzene, T
1,2-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2,4-Trichlorobenzene, T
Hexachlorocyclopentadiene, T
1,2,3-Trichlorobenzene, T