

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020223\
 Data File : VY012456.D
 Acq On : 02 Feb 2023 15:03
 Operator : KP/MD
 Sample : MDL06
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/03/2023
 Supervised By :Mahesh Dadoda 02/03/2023

Quant Time: Feb 03 03:56:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 03 03:55:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	174595	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	270108	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	240768	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	119156	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	67634	41.666	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	83.340%		
35) Dibromofluoromethane	7.722	113	66259	46.328	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.660%		
50) Toluene-d8	10.179	98	221577	39.278	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	78.560%		
62) 4-Bromofluorobenzene	12.483	95	83961	41.644	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	83.280%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	4392	2.879	ug/l	96
3) Chloromethane	2.119	50	4262	3.026	ug/l	97
4) Vinyl Chloride	2.259	62	4895	2.977	ug/l	96
5) Bromomethane	2.656	94	4355	3.426	ug/l	98
6) Chloroethane	2.802	64	3242	3.024	ug/l	99
7) Trichlorofluoromethane	3.131	101	9238	2.879	ug/l	96
8) Diethyl Ether	3.540	74	2750	2.880	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.899	101	4698	3.008	ug/l	93
10) Methyl Iodide	4.100	142	5503	2.319	ug/l	97
11) Tert butyl alcohol	4.936	59	8113	41.036	ug/l #	79
12) 1,1-Dichloroethene	3.881	96	4752	2.963	ug/l	81
13) Acrolein	3.735	56	1091	13.377	ug/l	96
14) Allyl chloride	4.478	41	5541	2.795	ug/l	90
15) Acrylonitrile	5.167	53	6000	14.387	ug/l	97
16) Acetone	3.954	43	7837	16.120	ug/l	96
17) Carbon Disulfide	4.198	76	12894	2.600	ug/l	98
18) Methyl Acetate	4.485	43	3928	3.611	ug/l #	82
19) Methyl tert-butyl Ether	5.216	73	12006	2.686	ug/l #	90
20) Methylene Chloride	4.722	84	19210	7.221	ug/l #	84
21) trans-1,2-Dichloroethene	5.222	96	4918	2.748	ug/l	93
22) Diisopropyl ether	6.118	45	10901	2.758	ug/l #	85
23) Vinyl Acetate	6.064	43	29643	12.035	ug/l	95
24) 1,1-Dichloroethane	6.021	63	8199	2.990	ug/l	98
25) 2-Butanone	6.996	43	8154	15.192	ug/l	98
26) 2,2-Dichloropropane	6.984	77	10927	3.671	ug/l	89
27) cis-1,2-Dichloroethene	6.984	96	5615	2.857	ug/l	91
28) Bromochloromethane	7.332	49	2207	3.686	ug/l #	73
29) Tetrahydrofuran	7.350	42	3794	12.869	ug/l #	81
30) Chloroform	7.515	83	9295	2.872	ug/l	91
31) Cyclohexane	7.789	56	10126	3.978	ug/l #	65
32) 1,1,1-Trichloroethane	7.703	97	8835	2.757	ug/l	98
36) 1,1-Dichloropropene	7.917	75	6929	2.851	ug/l	98
37) Ethyl Acetate	7.069	43	3265	3.047	ug/l #	91
38) Carbon Tetrachloride	7.899	117	8499	2.707	ug/l	88
39) Methylcyclohexane	9.191	83	8184	2.755	ug/l	94
40) Benzene	8.161	78	21069	3.003	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	1582m	2.512	ug/l	
42) 1,2-Dichloroethane	8.234	62	6144	2.751	ug/l	100
43) Isopropyl Acetate	8.277	43	5368	2.693	ug/l #	92
44) Trichloroethene	8.941	130	6274	2.992	ug/l	99
45) 1,2-Dichloropropane	9.222	63	4289	2.930	ug/l	90
46) Dibromomethane	9.301	93	2650	2.704	ug/l	93
47) Bromodichloromethane	9.496	83	6598	2.675	ug/l	86
48) Methyl methacrylate	9.295	41	2207	2.403	ug/l	88
49) 1,4-Dioxane	9.295	88	647	48.451	ug/l #	73
51) 4-Methyl-2-Pentanone	10.069	43	13177	12.396	ug/l	93
52) Toluene	10.246	92	13504	2.891	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	6810	2.639	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	7474	2.690	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	4021	2.888	ug/l #	92
56) Ethyl methacrylate	10.508	69	4605	2.521	ug/l #	86
57) 1,3-Dichloropropane	10.788	76	6346	2.791	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	8281	13.701	ug/l	90
59) 2-Hexanone	10.837	43	9363	11.569	ug/l	99
60) Dibromochloromethane	10.983	129	5260	2.848	ug/l	96
61) 1,2-Dibromoethane	11.093	107	3591	2.673	ug/l	99
64) Tetrachloroethene	10.721	164	6761	3.077	ug/l	94
65) Chlorobenzene	11.520	112	14909	3.026	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.593	131	5326	2.864	ug/l	93
67) Ethyl Benzene	11.593	91	24756	2.812	ug/l	95
68) m/p-Xylenes	11.703	106	19316	5.549	ug/l	100
69) o-Xylene	12.032	106	9012	2.710	ug/l	98
70) Styrene	12.044	104	14868	2.676	ug/l	97
71) Bromoform	12.209	173	3300	2.778	ug/l #	94
73) Isopropylbenzene	12.331	105	24487	2.850	ug/l	100
74) N-amyl acetate	12.148	43	3940	2.339	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.587	83	4196	3.100	ug/l	95
76) 1,2,3-Trichloropropane	12.636	75	3689m	3.367	ug/l	
77) Bromobenzene	12.611	156	6544	3.165	ug/l	89
78) n-propylbenzene	12.672	91	29586	2.943	ug/l	97
79) 2-Chlorotoluene	12.757	91	17405	3.062	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	21348	2.858	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	1475	2.774	ug/l	93
82) 4-Chlorotoluene	12.855	91	18010	3.016	ug/l	97
83) tert-Butylbenzene	13.074	119	18971	2.914	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	20079	2.726	ug/l	99
85) sec-Butylbenzene	13.257	105	27307	2.946	ug/l	99
86) p-Isopropyltoluene	13.373	119	22716	2.805	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	12587	3.061	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	13503	3.293	ug/l	94
89) n-Butylbenzene	13.702	91	19684	2.805	ug/l	99
90) Hexachloroethane	13.965	117	4450	3.044	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	11448	3.120	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	669	2.392	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	6495	2.763	ug/l	96
94) Hexachlorobutadiene	15.111	225	4309	3.044	ug/l	100
95) Naphthalene	15.239	128	11016	2.374	ug/l	97
96) 1,2,3-Trichlorobenzene	15.428	180	5609	2.772	ug/l	97

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

