

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012523\
 Data File : VY012359.D
 Acq On : 25 Jan 2023 16:19
 Operator : KP/MD
 Sample : MDL02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/26/2023
 Supervised By :Mahesh Dadoda 01/26/2023

Quant Time: Jan 26 04:32:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 26 04:31:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	163234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	250313	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	227817	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	115593	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	68087	44.865	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.720%		
35) Dibromofluoromethane	7.715	113	60435	45.597	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.200%		
50) Toluene-d8	10.178	98	214999	41.125	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	82.260%		
62) 4-Bromofluorobenzene	12.483	95	79252	42.417	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	84.840%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.905	85	3933	2.757	ug/l	96
3) Chloromethane	2.113	50	3509	2.665	ug/l	97
4) Vinyl Chloride	2.253	62	4455	2.898	ug/l	98
5) Bromomethane	2.649	94	3837	3.229	ug/l	87
6) Chloroethane	2.796	64	2774	2.767	ug/l	90
7) Trichlorofluoromethane	3.131	101	8632	2.877	ug/l	89
8) Diethyl Ether	3.533	74	2470	2.767	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.905	101	4086	2.799	ug/l	96
10) Methyl Iodide	4.088	142	4818	2.171	ug/l #	88
11) Tert butyl alcohol	4.929	59	7860	42.523	ug/l #	76
12) 1,1-Dichloroethene	3.875	96	4094	2.731	ug/l	87
13) Acrolein	3.728	56	1196	15.685	ug/l	95
14) Allyl chloride	4.478	41	4284	2.311	ug/l #	75
15) Acrylonitrile	5.167	53	5374	13.782	ug/l	97
16) Acetone	3.948	43	6437	14.162	ug/l	92
17) Carbon Disulfide	4.198	76	12382	2.670	ug/l	95
18) Methyl Acetate	4.478	43	3209	3.155	ug/l #	81
19) Methyl tert-butyl Ether	5.228	73	10864	2.600	ug/l	91
20) Methylene Chloride	4.710	84	13365	5.373	ug/l	86
21) trans-1,2-Dichloroethene	5.228	96	4445	2.657	ug/l #	81
22) Diisopropyl ether	6.112	45	8957	2.424	ug/l #	84
23) Vinyl Acetate	6.063	43	25202	10.944	ug/l #	86
24) 1,1-Dichloroethane	6.021	63	6908	2.695	ug/l	97
25) 2-Butanone	6.990	43	7210	14.368	ug/l #	79
26) 2,2-Dichloropropane	6.978	77	9427	3.388	ug/l	90
27) cis-1,2-Dichloroethene	6.984	96	4586	2.496	ug/l	89
28) Bromochloromethane	7.337	49	1824	3.258	ug/l #	60
29) Tetrahydrofuran	7.350	42	3375	12.245	ug/l #	74
30) Chloroform	7.508	83	7939	2.624	ug/l	99
31) Cyclohexane	7.782	56	8600	3.613	ug/l #	59
32) 1,1,1-Trichloroethane	7.703	97	8115	2.709	ug/l	98
36) 1,1-Dichloropropene	7.917	75	6131	2.722	ug/l	97
37) Ethyl Acetate	7.069	43	2553	2.571	ug/l #	92
38) Carbon Tetrachloride	7.904	117	8038	2.763	ug/l	96
39) Methylcyclohexane	9.179	83	7409	2.692	ug/l #	85
40) Benzene	8.160	78	17081	2.627	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	1643m	2.815	ug/l	
42) 1,2-Dichloroethane	8.240	62	6026	2.911	ug/l	99
43) Isopropyl Acetate	8.270	43	4471	2.420	ug/l	92
44) Trichloroethene	8.941	130	5528	2.845	ug/l	98
45) 1,2-Dichloropropane	9.215	63	3700	2.727	ug/l	98
46) Dibromomethane	9.307	93	2382	2.623	ug/l	94
47) Bromodichloromethane	9.496	83	6128	2.681	ug/l #	93
48) Methyl methacrylate	9.294	41	1975	2.320	ug/l #	91
49) 1,4-Dioxane	9.294	88	520	42.020	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	11702	11.879	ug/l	98
52) Toluene	10.239	92	11552	2.669	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	6271	2.622	ug/l	92
54) cis-1,3-Dichloropropene	9.928	75	6460	2.508	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	3485	2.701	ug/l	95
56) Ethyl methacrylate	10.508	69	3816	2.254	ug/l	94
57) 1,3-Dichloropropane	10.794	76	5652	2.682	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	7841	13.999	ug/l #	84
59) 2-Hexanone	10.831	43	8255	11.006	ug/l	95
60) Dibromochloromethane	10.983	129	4504	2.632	ug/l	96
61) 1,2-Dibromoethane	11.087	107	3198	2.568	ug/l	99
64) Tetrachloroethene	10.721	164	5784	2.782	ug/l	97
65) Chlorobenzene	11.514	112	12582	2.699	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	4801	2.729	ug/l	93
67) Ethyl Benzene	11.593	91	21621	2.595	ug/l	100
68) m/p-Xylenes	11.703	106	16914	5.135	ug/l	99
69) o-Xylene	12.032	106	8029	2.552	ug/l	93
70) Styrene	12.044	104	13306	2.531	ug/l	99
71) Bromoform	12.209	173	2961	2.634	ug/l #	97
73) Isopropylbenzene	12.330	105	21748	2.609	ug/l	99
74) N-amyl acetate	12.141	43	3462	2.119	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.580	83	3286	2.503	ug/l	93
76) 1,2,3-Trichloropropane	12.635	75	2581m	2.428	ug/l	
77) Bromobenzene	12.611	156	5483	2.734	ug/l	92
78) n-propylbenzene	12.672	91	25579	2.622	ug/l	98
79) 2-Chlorotoluene	12.757	91	14601	2.648	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	18354	2.533	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.385	75	1318	2.555	ug/l	89
82) 4-Chlorotoluene	12.855	91	14728	2.542	ug/l	95
83) tert-Butylbenzene	13.074	119	16280	2.578	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	17402	2.435	ug/l	99
85) sec-Butylbenzene	13.257	105	22840	2.540	ug/l	97
86) p-Isopropyltoluene	13.373	119	19487	2.481	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	10549	2.644	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	10995	2.764	ug/l	89
89) n-Butylbenzene	13.696	91	16803	2.468	ug/l	96
90) Hexachloroethane	13.964	117	3949	2.784	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	9896	2.780	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.354	75	656	2.418	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	5286	2.318	ug/l	95
94) Hexachlorobutadiene	15.117	225	3781	2.753	ug/l	97
95) Naphthalene	15.238	128	9991	2.219	ug/l	98
96) 1,2,3-Trichlorobenzene	15.427	180	4731	2.411	ug/l	96

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

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