

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030624\
 Data File : VY017586.D
 Acq On : 06 Mar 2024 12:01
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/07/2024
 Supervised By : Mahesh Dadoda 03/07/2024

Quant Time: Mar 07 04:15:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 04:15:02 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	117743	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	194933	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	170497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	79814	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	64843	58.109	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.220%			
35) Dibromofluoromethane	7.728	113	73210	53.896	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.800%			
50) Toluene-d8	10.185	98	269765	56.801	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 113.600%			
62) 4-Bromofluorobenzene	12.483	95	78605	52.664	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.320%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	2733	3.147	ug/l	98
3) Chloromethane	2.113	50	5038	3.175	ug/l	93
4) Vinyl Chloride	2.253	62	6412	3.150	ug/l	99
5) Bromomethane	2.656	94	6183	3.727	ug/l	89
6) Chloroethane	2.796	64	4263	3.319	ug/l	90
7) Trichlorofluoromethane	3.119	101	6344	3.057	ug/l	94
8) Diethyl Ether	3.534	74	1683	2.765	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.905	101	3707	3.106	ug/l	95
10) Methyl Iodide	4.094	142	3227	2.409	ug/l #	95
11) Tert butyl alcohol	4.960	59	1818	19.180	ug/l #	88
12) 1,1-Dichloroethene	3.875	96	3268	2.938	ug/l	92
13) Acrolein	3.735	56	2087	16.687	ug/l	100
14) Allyl chloride	4.491	41	3493	2.599	ug/l	96
15) Acrylonitrile	5.173	53	3148	12.583	ug/l #	91
16) Acetone	3.948	43	3966	18.324	ug/l	96
17) Carbon Disulfide	4.198	76	10296	3.084	ug/l	99
18) Methyl Acetate	4.491	43	2490	4.742	ug/l	95
19) Methyl tert-butyl Ether	5.228	73	6534	2.520	ug/l	93
20) Methylene Chloride	4.722	84	10119	6.530	ug/l	96
21) trans-1,2-Dichloroethene	5.228	96	3893	2.989	ug/l #	83
22) Diisopropyl ether	6.125	45	7407	2.388	ug/l	92
23) Vinyl Acetate	6.070	43	18000	9.740	ug/l	96
24) 1,1-Dichloroethane	6.021	63	5917	2.793	ug/l	99
25) 2-Butanone	6.996	43	4653	15.085	ug/l #	83
26) 2,2-Dichloropropane	6.990	77	5321	2.987	ug/l	96
27) cis-1,2-Dichloroethene	6.996	96	4037	2.761	ug/l	97
28) Bromochloromethane	7.344	49	2582	3.094	ug/l #	100
29) Tetrahydrofuran	7.356	42	2175	11.698	ug/l	94
30) Chloroform	7.521	83	6725	2.981	ug/l	99
31) Cyclohexane	7.795	56	6576	3.621	ug/l #	62
32) 1,1,1-Trichloroethane	7.710	97	5481	2.799	ug/l	95
36) 1,1-Dichloropropene	7.923	75	4951	2.701	ug/l	96
37) Ethyl Acetate	7.094	43	1797	2.483	ug/l #	90
38) Carbon Tetrachloride	7.905	117	5174	2.817	ug/l	94
39) Methylcyclohexane	9.191	83	5481	2.489	ug/l	94
40) Benzene	8.167	78	14640	2.690	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	780	2.147	ug/l #	66
42) 1,2-Dichloroethane	8.246	62	3639	2.740	ug/l	96
43) Isopropyl Acetate	8.283	43	3084	2.425	ug/l #	83
44) Trichloroethene	8.947	130	4447	2.835	ug/l	87
45) 1,2-Dichloropropane	9.222	63	3416	2.638	ug/l	99
46) Dibromomethane	9.313	93	1988	2.683	ug/l	97
47) Bromodichloromethane	9.502	83	4601	2.557	ug/l	95
48) Methyl methacrylate	9.301	41	1582	2.687	ug/l	97
49) 1,4-Dioxane	9.313	88	342	40.778	ug/l #	64
51) 4-Methyl-2-Pentanone	10.075	43	7527	10.617	ug/l	99
52) Toluene	10.252	92	9395	2.738	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	3934	2.355	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	4917	2.423	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	2884	2.741	ug/l #	92
56) Ethyl methacrylate	10.514	69	1857	1.574	ug/l	96
57) 1,3-Dichloropropane	10.794	76	4339	2.536	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	7855	12.937	ug/l	98
59) 2-Hexanone	10.837	43	5540	11.377	ug/l	97
60) Dibromochloromethane	10.989	129	3249	2.610	ug/l	97
61) 1,2-Dibromoethane	11.093	107	2559	2.639	ug/l	98
64) Tetrachloroethene	10.727	164	4603	2.813	ug/l	96
65) Chlorobenzene	11.520	112	9560	2.642	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.587	131	3361	2.479	ug/l	93
67) Ethyl Benzene	11.599	91	14672	2.312	ug/l	95
68) m/p-Xylenes	11.703	106	11116	4.457	ug/l	99
69) o-Xylene	12.032	106	5153	2.227	ug/l	94
70) Styrene	12.050	104	6572	1.711	ug/l	93
71) Bromoform	12.209	173	1873	2.493	ug/l #	99
73) Isopropylbenzene	12.337	105	12554	2.117	ug/l	98
74) N-amyl acetate	12.148	43	2179	2.084	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	3005	2.951	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	2504m	3.302	ug/l	
77) Bromobenzene	12.611	156	3599	2.506	ug/l	99
78) n-propylbenzene	12.672	91	16589	2.332	ug/l	98
79) 2-Chlorotoluene	12.757	91	9609	2.412	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	10298	2.168	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	800m	2.424	ug/l	
82) 4-Chlorotoluene	12.855	91	9620	2.361	ug/l	92
83) tert-Butylbenzene	13.074	119	9477	2.272	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	10099	2.153	ug/l	100
85) sec-Butylbenzene	13.257	105	13301	2.085	ug/l	100
86) p-Isopropyltoluene	13.373	119	10232	1.960	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	7001	2.429	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	7680	2.741	ug/l	92
89) n-Butylbenzene	13.696	91	10548	2.214	ug/l	98
90) Hexachloroethane	13.958	117	2798	2.673	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	6035	2.475	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	337	2.354	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	3026	2.350	ug/l	97
94) Hexachlorobutadiene	15.111	225	2250	2.830	ug/l	99
95) Naphthalene	15.239	128	4444	2.018	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	2649	2.398	ug/l	98

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

