

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051624\
 Data File : VY018286.D
 Acq On : 16 May 2024 15:13
 Operator : SY/MD
 Sample : P2403-03 2.5 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

Quant Time: May 17 02:46:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 02:04:27 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2024
 Supervised By :Mahesh Dadoda 05/17/2024

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	155500	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	285284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	242071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	105154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	71051	62.109	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.220%			
35) Dibromofluoromethane	7.709	113	78963	52.667	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.340%			
50) Toluene-d8	10.179	98	310150	52.495	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.980%			
62) 4-Bromofluorobenzene	12.483	95	94223	49.383	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	3712	3.010	ug/l	93
3) Chloromethane	2.107	50	6270	3.798	ug/l	94
4) Vinyl Chloride	2.241	62	6717	3.357	ug/l	96
5) Bromomethane	2.643	94	5289	3.806	ug/l	89
6) Chloroethane	2.790	64	4248	3.345	ug/l	97
7) Trichlorofluoromethane	3.119	101	6630	2.829	ug/l #	76
8) Diethyl Ether	3.521	74	2544	3.297	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.893	101	4363	2.921	ug/l	96
10) Methyl Iodide	4.082	142	4839	2.774	ug/l	96
11) Tert butyl alcohol	4.929	59	4284	37.466	ug/l #	98
12) 1,1-Dichloroethene	3.863	96	4065	2.703	ug/l	83
13) Acrolein	3.728	56	2224	18.036	ug/l	89
14) Allyl chloride	4.466	41	6245	3.264	ug/l	95
15) Acrylonitrile	5.155	53	4688	15.799	ug/l #	84
16) Acetone	3.942	43	4491	19.672	ug/l #	85
17) Carbon Disulfide	4.186	76	12204	2.981	ug/l	98
18) Methyl Acetate	4.466	43	2959	4.550	ug/l	91
19) Methyl tert-butyl Ether	5.210	73	10327	3.083	ug/l	95
20) Methylene Chloride	4.710	84	12457	7.720	ug/l	98
21) trans-1,2-Dichloroethene	5.210	96	5090	3.193	ug/l	90
22) Diisopropyl ether	6.106	45	12394	3.054	ug/l #	94
23) Vinyl Acetate	6.051	43	36236	14.691	ug/l #	93
24) 1,1-Dichloroethane	6.002	63	8048	3.220	ug/l	95
25) 2-Butanone	6.978	43	6316	17.308	ug/l	98
26) 2,2-Dichloropropane	6.978	77	6967	3.080	ug/l	94
27) cis-1,2-Dichloroethene	6.972	96	5742	3.048	ug/l	97
28) Bromochloromethane	7.331	49	3615	3.618	ug/l	95
29) Tetrahydrofuran	7.350	42	4745	19.699	ug/l	90
30) Chloroform	7.502	83	7947	3.045	ug/l	86
31) Cyclohexane	7.783	56	9454	3.984	ug/l #	75
32) 1,1,1-Trichloroethane	7.697	97	6643	2.840	ug/l	94
36) 1,1-Dichloropropene	7.911	75	6213	2.891	ug/l	93
37) Ethyl Acetate	7.069	43	2278	2.518	ug/l #	74
38) Carbon Tetrachloride	7.898	117	5548	2.362	ug/l	92
39) Methylcyclohexane	9.185	83	7863	2.536	ug/l #	85
40) Benzene	8.161	78	18678	2.702	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	1766	3.381	ug/l #	83
42) 1,2-Dichloroethane	8.228	62	4457	2.963	ug/l	93
43) Isopropyl Acetate	8.270	43	5705	3.077	ug/l #	59
44) Trichloroethene	8.935	130	4987	2.650	ug/l	99
45) 1,2-Dichloropropane	9.209	63	4084	2.702	ug/l	90
46) Dibromomethane	9.301	93	2640	3.038	ug/l	85
47) Bromodichloromethane	9.496	83	5486	2.554	ug/l	90
48) Methyl methacrylate	9.295	41	2469	2.905	ug/l	91
49) 1,4-Dioxane	9.295	88	725	62.858	ug/l #	69
51) 4-Methyl-2-Pentanone	10.069	43	13119	14.077	ug/l	97
52) Toluene	10.240	92	11741	2.638	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	5019	2.501	ug/l	89
54) cis-1,3-Dichloropropene	9.929	75	5897	2.404	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	3495	2.928	ug/l	96
56) Ethyl methacrylate	10.508	69	4111	2.536	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	5309	2.733	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.776	63	13232	17.093	ug/l	99
59) 2-Hexanone	10.831	43	8737	13.408	ug/l	90
60) Dibromochloromethane	10.983	129	3645	2.354	ug/l	90
61) 1,2-Dibromoethane	11.087	107	3479	3.094	ug/l	85
64) Tetrachloroethene	10.715	164	4630	2.873	ug/l	90
65) Chlorobenzene	11.514	112	13522	2.743	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.593	131	3824	2.398	ug/l	94
67) Ethyl Benzene	11.593	91	21856	2.626	ug/l	100
68) m/p-Xylenes	11.703	106	17093	5.192	ug/l	98
69) o-Xylene	12.026	106	8423	2.666	ug/l	92
70) Styrene	12.044	104	13116	2.486	ug/l	97
71) Bromoform	12.209	173	1965	2.227	ug/l #	98
73) Isopropylbenzene	12.331	105	20237	2.567	ug/l	94
74) N-amyl acetate	12.142	43	4254	2.599	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	3427	2.725	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	2662m	3.163	ug/l	
77) Bromobenzene	12.611	156	4695	2.592	ug/l	97
78) n-propylbenzene	12.672	91	25975	2.833	ug/l	99
79) 2-Chlorotoluene	12.757	91	13981	2.744	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	15998	2.573	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	1057m	2.420	ug/l	
82) 4-Chlorotoluene	12.855	91	14370	2.807	ug/l	94
83) tert-Butylbenzene	13.074	119	15579	2.717	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	16316	2.679	ug/l	97
85) sec-Butylbenzene	13.251	105	23702	2.818	ug/l	98
86) p-Isopropyltoluene	13.367	119	18827	2.721	ug/l	95
87) 1,3-Dichlorobenzene	13.367	146	9049	2.587	ug/l	94
88) 1,4-Dichlorobenzene	13.446	146	10144	2.975	ug/l	88
89) n-Butylbenzene	13.696	91	17796	2.842	ug/l	99
90) Hexachloroethane	13.958	117	3333	2.455	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	8210	2.731	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.349	75	454	2.651	ug/l	93
93) 1,2,4-Trichlorobenzene	15.013	180	4224	2.499	ug/l	93
94) Hexachlorobutadiene	15.111	225	2363	2.534	ug/l	89
95) Naphthalene	15.233	128	7765	2.507	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.428	180	3580	2.581	ug/l	92

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

