

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051424\
 Data File : VY018255.D
 Acq On : 14 May 2024 14:01
 Operator : SY/MD
 Sample : P2403-01 2.5 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

Quant Time: May 15 05:17:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:17:02 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2024
 Supervised By :Semsettin Yesilyurt 05/15/2024

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	189859	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	335792	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	278043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	118614	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	82244	58.883	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	117.760%	
35) Dibromofluoromethane	7.710	113	94055	53.297	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	106.600%	
50) Toluene-d8	10.179	98	377200	54.241	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	108.480%	
62) 4-Bromofluorobenzene	12.483	95	112034	49.886	ug/l	0.00
Spiked Amount 50.000	Range 30	- 143	Recovery	=	99.780%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	4676	3.106	ug/l	96
3) Chloromethane	2.107	50	7378	3.661	ug/l	100
4) Vinyl Chloride	2.247	62	8794	3.599	ug/l	95
5) Bromomethane	2.650	94	6023	3.550	ug/l	97
6) Chloroethane	2.790	64	5327	3.435	ug/l	98
7) Trichlorofluoromethane	3.119	101	8135	2.843	ug/l	93
8) Diethyl Ether	3.515	74	3113	3.304	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.893	101	5336	2.926	ug/l #	93
10) Methyl Iodide	4.088	142	6179	2.901	ug/l #	95
11) Tert butyl alcohol	4.917	59	5204	37.275	ug/l #	97
12) 1,1-Dichloroethene	3.863	96	6118	3.332	ug/l #	72
13) Acrolein	3.723	56	2298	15.263	ug/l #	80
14) Allyl chloride	4.472	41	7381	3.160	ug/l	96
15) Acrylonitrile	5.149	53	5450	15.043	ug/l	96
16) Acetone	3.930	43	5062	18.161	ug/l	96
17) Carbon Disulfide	4.186	76	16234	3.248	ug/l	95
18) Methyl Acetate	4.460	43	2530	3.186	ug/l #	86
19) Methyl tert-butyl Ether	5.204	73	11974	2.928	ug/l	95
20) Methylene Chloride	4.710	84	17078	8.668	ug/l #	85
21) trans-1,2-Dichloroethene	5.210	96	6308	3.241	ug/l	82
22) Diisopropyl ether	6.106	45	15226	3.073	ug/l	93
23) Vinyl Acetate	6.058	43	43409	14.414	ug/l	99
24) 1,1-Dichloroethane	6.003	63	9820	3.218	ug/l #	96
25) 2-Butanone	6.978	43	6662	14.952	ug/l	90
26) 2,2-Dichloropropane	6.978	77	9411	3.407	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	7227	3.142	ug/l	99
28) Bromochloromethane	7.338	49	3789	3.106	ug/l #	99
29) Tetrahydrofuran	7.338	42	4352	14.797	ug/l	90
30) Chloroform	7.502	83	10121	3.177	ug/l #	76
31) Cyclohexane	7.783	56	11530	3.980	ug/l #	68
32) 1,1,1-Trichloroethane	7.697	97	8482	2.970	ug/l	94
36) 1,1-Dichloropropene	7.917	75	7707	3.046	ug/l	97
37) Ethyl Acetate	7.082	43	3554m	3.338	ug/l	
38) Carbon Tetrachloride	7.893	117	7564	2.736	ug/l	91
39) Methylcyclohexane	9.185	83	9948	2.726	ug/l	96
40) Benzene	8.155	78	24814	3.049	ug/l	95

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41) Methacrylonitrile	7.301	41	1766	2.872	ug/l #	44
42) 1,2-Dichloroethane	8.234	62	5258	2.970	ug/l	99
43) Isopropyl Acetate	8.264	43	5838	2.675	ug/l #	81
44) Trichloroethene	8.935	130	6435	2.905	ug/l	86
45) 1,2-Dichloropropane	9.215	63	5465	3.072	ug/l	95
46) Dibromomethane	9.301	93	3165	3.095	ug/l	90
47) Bromodichloromethane	9.496	83	7072	2.797	ug/l #	99
48) Methyl methacrylate	9.295	41	3340	3.339	ug/l	88
49) 1,4-Dioxane	9.301	88	846m	62.316	ug/l	
51) 4-Methyl-2-Pentanone	10.069	43	14359	13.090	ug/l	96
52) Toluene	10.240	92	15411	2.942	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	6377	2.700	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	7806	2.704	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	3905	2.779	ug/l	92
56) Ethyl methacrylate	10.508	69	4964	2.601	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	6466	2.828	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.782	63	14297	15.691	ug/l	96
59) 2-Hexanone	10.831	43	8631	11.253	ug/l	99
60) Dibromochloromethane	10.983	129	4755	2.609	ug/l	99
61) 1,2-Dibromoethane	11.087	107	3688	2.787	ug/l	96
64) Tetrachloroethene	10.715	164	5832	3.150	ug/l	90
65) Chlorobenzene	11.514	112	16252	2.870	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	4748	2.592	ug/l	93
67) Ethyl Benzene	11.593	91	27630	2.890	ug/l	96
68) m/p-Xylenes	11.703	106	22508	5.953	ug/l	97
69) o-Xylene	12.032	106	10434	2.876	ug/l	98
70) Styrene	12.044	104	16602	2.740	ug/l	98
71) Bromoform	12.215	173	2501	2.468	ug/l #	96
73) Isopropylbenzene	12.331	105	26264	2.953	ug/l	98
74) N-amyl acetate	12.142	43	5063	2.743	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	4124	2.907	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	3365m	3.544	ug/l	
77) Bromobenzene	12.611	156	6158	3.014	ug/l	91
78) n-propylbenzene	12.672	91	31902	3.084	ug/l	99
79) 2-Chlorotoluene	12.758	91	17555	3.054	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	20676	2.948	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	1549m	3.143	ug/l	
82) 4-Chlorotoluene	12.855	91	17566	3.042	ug/l	96
83) tert-Butylbenzene	13.075	119	19454	3.008	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	20635	3.004	ug/l	97
85) sec-Butylbenzene	13.251	105	27387	2.887	ug/l	93
86) p-Isopropyltoluene	13.367	119	22563	2.891	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	11628	2.947	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	11393	2.962	ug/l	85
89) n-Butylbenzene	13.696	91	21080	2.984	ug/l	97
90) Hexachloroethane	13.959	117	4150	2.710	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	9429	2.780	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.355	75	538	2.785	ug/l	80
93) 1,2,4-Trichlorobenzene	15.007	180	5223	2.740	ug/l	93
94) Hexachlorobutadiene	15.111	225	2873	2.731	ug/l	94
95) Naphthalene	15.239	128	8233	2.357	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	4346	2.778	ug/l	95

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

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