Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD013024\
Data File : VD078281.D
Acq On : 30 Jan 2024 16:21
Operator : RP/MD
Sample : P1187-02 5 PPB
Misc : 5.00G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 31 01:17:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D013024S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 31 01:16:50 2024
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/31/2024
Supervised By :Mahesh Dadoda 01/31/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.875	168	98708	50.000	ug/l	#	0.00
34) 1,4-Difluorobenzene	8.775	114	189934	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.581	117	168880	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	74456	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.228	65	64488	52.775	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.560%				
35) Dibromofluoromethane	7.804	113	66693	49.322	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.640%				
50) Toluene-d8	10.269	98	250483	48.928	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.860%				
62) 4-Bromofluorobenzene	12.575	95	72036	46.986	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.980%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.940	85	7739	6.484	ug/l		90
3) Chloromethane	2.152	50	12804	6.236	ug/l	#	86
4) Vinyl Chloride	2.287	62	16392	6.052	ug/l		96
5) Bromomethane	2.699	94	10309	6.287	ug/l		99
6) Chloroethane	2.840	64	10666	5.701	ug/l		98
7) Trichlorofluoromethane	3.175	101	13140	5.730	ug/l		93
8) Diethyl Ether	3.599	74	4015	5.919	ug/l		84
9) 1,1,2-Trichlorotrifluo...	3.975	101	7884	5.602	ug/l		91
10) Methyl Iodide	4.163	142	6010	4.695	ug/l	#	81
11) Tert butyl alcohol	5.052	59	2793m	35.834	ug/l		
12) 1,1-Dichloroethene	3.940	96	8333	6.137	ug/l	#	89
13) Acrolein	3.799	56	2907	28.707	ug/l		95
14) Allyl chloride	4.563	41	9946	5.555	ug/l	#	85
15) Acrylonitrile	5.263	53	9122	30.422	ug/l	#	72
16) Acetone	4.022	43	9219	28.551	ug/l	#	84
17) Carbon Disulfide	4.275	76	26388	5.756	ug/l		100
18) Methyl Acetate	4.581	43	3328	5.110	ug/l		90
19) Methyl tert-butyl Ether	5.316	73	15520	5.496	ug/l	#	79
20) Methylene Chloride	4.805	84	13608	8.016	ug/l	#	80
21) trans-1,2-Dichloroethene	5.322	96	8626	5.618	ug/l		95
22) Diisopropyl ether	6.222	45	20854	5.474	ug/l	#	85
23) Vinyl Acetate	6.157	43	61464	26.445	ug/l	#	92
24) 1,1-Dichloroethane	6.122	63	14278	5.414	ug/l		97
25) 2-Butanone	7.093	43	11332	27.831	ug/l	#	75
26) 2,2-Dichloropropane	7.075	77	13059	6.062	ug/l	#	65
27) cis-1,2-Dichloroethene	7.081	96	9012	5.296	ug/l		85
28) Bromochloromethane	7.428	49	5320	5.656	ug/l	#	70
29) Tetrahydrofuran	7.452	42	5627	25.833	ug/l		91
30) Chloroform	7.599	83	16114	5.976	ug/l		84
31) Cyclohexane	7.881	56	14516	6.343	ug/l	#	85
32) 1,1,1-Trichloroethane	7.804	97	13035	5.609	ug/l		95
36) 1,1-Dichloropropene	8.016	75	11647	5.194	ug/l		96
37) Ethyl Acetate	7.169	43	4719	5.468	ug/l	#	79
38) Carbon Tetrachloride	7.993	117	12049	5.465	ug/l		85
39) Methylcyclohexane	9.275	83	14009	5.284	ug/l		97
40) Benzene	8.251	78	33674	5.147	ug/l		93

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41) Methacrylonitrile	7.404	41	2594	5.591	ug/l	#	48
42) 1,2-Dichloroethane	8.322	62	9393	5.535	ug/l		95
43) Isopropyl Acetate	8.363	43	8319	5.376	ug/l	#	71
44) Trichloroethene	9.028	130	8852	5.510	ug/l		92
45) 1,2-Dichloropropane	9.310	63	8365	5.229	ug/l	#	85
46) Dibromomethane	9.398	93	4464	5.030	ug/l	#	86
47) Bromodichloromethane	9.587	83	11065	5.067	ug/l	#	94
48) Methyl methacrylate	9.381	41	3918	5.299	ug/l	#	73
49) 1,4-Dioxane	9.369	88	952	95.620	ug/l	#	33
51) 4-Methyl-2-Pentanone	10.157	43	20218	24.153	ug/l		87
52) Toluene	10.334	92	20166	5.082	ug/l		98
53) t-1,3-Dichloropropene	10.557	75	10499	5.147	ug/l		99
54) cis-1,3-Dichloropropene	10.016	75	12698	5.259	ug/l		96
55) 1,1,2-Trichloroethane	10.734	97	6071	5.242	ug/l		93
56) Ethyl methacrylate	10.604	69	6630	5.047	ug/l	#	78
57) 1,3-Dichloropropane	10.881	76	10848	5.432	ug/l		94
58) 2-Chloroethyl Vinyl ether	9.869	63	13797	23.094	ug/l		90
59) 2-Hexanone	10.922	43	15764	25.006	ug/l		81
60) Dibromochloromethane	11.075	129	7155	5.322	ug/l		96
61) 1,2-Dibromoethane	11.181	107	5413	4.950	ug/l		99
64) Tetrachloroethene	10.810	164	6291	5.341	ug/l		87
65) Chlorobenzene	11.610	112	22317	5.524	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.681	131	7585	5.273	ug/l		98
67) Ethyl Benzene	11.681	91	36052	4.926	ug/l		92
68) m/p-Xylenes	11.798	106	27327	9.705	ug/l		89
69) o-Xylene	12.122	106	12910	4.989	ug/l		99
70) Styrene	12.134	104	21030	4.759	ug/l		94
71) Bromoform	12.298	173	3574	5.045	ug/l	#	92
73) Isopropylbenzene	12.422	105	33103	5.255	ug/l		97
74) N-amyl acetate	12.234	43	6820	5.235	ug/l		89
75) 1,1,2,2-Tetrachloroethane	12.669	83	6782	5.575	ug/l		96
76) 1,2,3-Trichloropropane	12.728	75	4875m	6.264	ug/l		
77) Bromobenzene	12.698	156	7447	5.372	ug/l		74
78) n-propylbenzene	12.763	91	42972	5.476	ug/l		94
79) 2-Chlorotoluene	12.851	91	23157	5.513	ug/l		90
80) 1,3,5-Trimethylbenzene	12.904	105	26159	5.104	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.469	75	2079	5.313	ug/l	#	81
82) 4-Chlorotoluene	12.945	91	24401	5.449	ug/l		93
83) tert-Butylbenzene	13.163	119	23949	5.477	ug/l		93
84) 1,2,4-Trimethylbenzene	13.216	105	26050	5.024	ug/l		96
85) sec-Butylbenzene	13.345	105	33678	4.907	ug/l		100
86) p-Isopropyltoluene	13.463	119	27828	4.950	ug/l		95
87) 1,3-Dichlorobenzene	13.457	146	15989	5.552	ug/l		93
88) 1,4-Dichlorobenzene	13.539	146	16253	5.704	ug/l		88
89) n-Butylbenzene	13.786	91	28253	5.158	ug/l		97
90) Hexachloroethane	14.051	117	6922	6.165	ug/l		69
91) 1,2-Dichlorobenzene	13.828	146	13642	5.537	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1190	6.978	ug/l		74
93) 1,2,4-Trichlorobenzene	15.104	180	8321	5.839	ug/l		91
94) Hexachlorobutadiene	15.204	225	4612	6.604	ug/l		94
95) Naphthalene	15.328	128	15108	5.317	ug/l	#	96
96) 1,2,3-Trichlorobenzene	15.522	180	6446	5.137	ug/l		91

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

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