Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012424\
Data File : VD078221.D
Acq On : 24 Jan 2024 14:26
Operator : RP/MD
Sample : P1187-02 5PPB
Misc : 5.00G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024

Quant Time: Jan 25 01:15:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012224S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 25 01:15:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.881	168	125829	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	240698	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	215428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	95074	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	72228	50.282	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.560%			
35) Dibromofluoromethane	7.810	113	76151	48.072	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.140%			
50) Toluene-d8	10.275	98	295277	47.075	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.140%			
62) 4-Bromofluorobenzene	12.575	95	80659	44.341	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 88.680%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.940	85	9720	6.705	ug/l	98
3) Chloromethane	2.152	50	14926	6.383	ug/l	95
4) Vinyl Chloride	2.293	62	18231	6.110	ug/l #	87
5) Bromomethane	2.705	94	13645	6.266	ug/l	94
6) Chloroethane	2.846	64	12844	6.162	ug/l	98
7) Trichlorofluoromethane	3.193	101	17115	6.306	ug/l	93
8) Diethyl Ether	3.599	74	4511	5.996	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.975	101	10172	6.471	ug/l	93
10) Methyl Iodide	4.175	142	7959	5.051	ug/l #	85
11) Tert butyl alcohol	5.046	59	1979m	27.984	ug/l	
12) 1,1-Dichloroethene	3.946	96	8729	5.606	ug/l #	72
13) Acrolein	3.799	56	3265	20.112	ug/l	96
14) Allyl chloride	4.569	41	11429	5.564	ug/l #	89
15) Acrylonitrile	5.263	53	9225	27.324	ug/l	94
16) Acetone	4.022	43	13553	31.650	ug/l #	86
17) Carbon Disulfide	4.281	76	28435	5.631	ug/l	98
18) Methyl Acetate	4.552	43	6992	5.658	ug/l #	88
19) Methyl tert-butyl Ether	5.316	73	17147	5.281	ug/l	99
20) Methylene Chloride	4.810	84	14452	6.858	ug/l	94
21) trans-1,2-Dichloroethene	5.316	96	10274	5.710	ug/l	94
22) Diisopropyl ether	6.222	45	24613	5.663	ug/l #	88
23) Vinyl Acetate	6.157	43	54925	25.649	ug/l #	88
24) 1,1-Dichloroethane	6.122	63	18100	6.027	ug/l	99
25) 2-Butanone	7.087	43	15024	29.691	ug/l #	81
26) 2,2-Dichloropropane	7.087	77	14965	5.948	ug/l	95
27) cis-1,2-Dichloroethene	7.081	96	11360	5.877	ug/l	94
28) Bromochloromethane	7.434	49	6241	5.328	ug/l #	73
29) Tetrahydrofuran	7.457	42	6655	28.082	ug/l #	77
30) Chloroform	7.599	83	18878	6.181	ug/l	100
31) Cyclohexane	7.881	56	17136	6.452	ug/l #	83
32) 1,1,1-Trichloroethane	7.793	97	16185	6.134	ug/l	93
36) 1,1-Dichloropropene	8.016	75	13309	5.109	ug/l	96
37) Ethyl Acetate	7.175	43	5098	5.257	ug/l	95
38) Carbon Tetrachloride	7.999	117	13091	5.088	ug/l	94
39) Methylcyclohexane	9.275	83	16014	5.198	ug/l	90
40) Benzene	8.251	78	39637	5.362	ug/l	100

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41) Methacrylonitrile	7.404	41	2296	4.312	ug/l	#	21
42) 1,2-Dichloroethane	8.328	62	10482	5.450	ug/l		92
43) Isopropyl Acetate	8.369	43	8878	4.997	ug/l	#	68
44) Trichloroethene	9.028	130	9728	5.144	ug/l		86
45) 1,2-Dichloropropane	9.310	63	10395	5.667	ug/l		89
46) Dibromomethane	9.393	93	5095	5.058	ug/l		91
47) Bromodichloromethane	9.593	83	13194	5.214	ug/l		88
48) Methyl methacrylate	9.381	41	5937	5.772	ug/l	#	69
49) 1,4-Dioxane	9.393	88	879	90.176	ug/l	#	81
51) 4-Methyl-2-Pentanone	10.163	43	22591	24.197	ug/l		87
52) Toluene	10.334	92	23621	5.041	ug/l		94
53) t-1,3-Dichloropropene	10.557	75	12162	5.209	ug/l		93
54) cis-1,3-Dichloropropene	10.022	75	14725	5.261	ug/l	#	85
55) 1,1,2-Trichloroethane	10.740	97	7523	5.581	ug/l		93
56) Ethyl methacrylate	10.604	69	4926	4.464	ug/l	#	69
57) 1,3-Dichloropropane	10.887	76	11803	5.120	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.869	63	12592	19.042	ug/l		95
59) 2-Hexanone	10.928	43	19074	25.141	ug/l		83
60) Dibromochloromethane	11.075	129	8077	5.082	ug/l		90
61) 1,2-Dibromoethane	11.181	107	6354	5.114	ug/l		93
64) Tetrachloroethene	10.810	164	7435	5.278	ug/l		93
65) Chlorobenzene	11.610	112	24972	5.247	ug/l	#	87
66) 1,1,1,2-Tetrachloroethane	11.681	131	8741	5.140	ug/l		96
67) Ethyl Benzene	11.687	91	44902	5.185	ug/l		89
68) m/p-Xylenes	11.792	106	34166	10.330	ug/l		96
69) o-Xylene	12.122	106	14440	4.811	ug/l		92
70) Styrene	12.134	104	22401	4.980	ug/l		97
71) Bromoform	12.298	173	4354	5.170	ug/l	#	93
73) Isopropylbenzene	12.422	105	39492	5.283	ug/l		94
74) N-amyl acetate	12.239	43	7457	5.214	ug/l		90
75) 1,1,2,2-Tetrachloroethane	12.675	83	8709	6.261	ug/l		94
76) 1,2,3-Trichloropropane	12.722	75	5983m	6.561	ug/l		
77) Bromobenzene	12.698	156	8714	5.317	ug/l		74
78) n-propylbenzene	12.763	91	49317	5.319	ug/l		95
79) 2-Chlorotoluene	12.851	91	26898	5.436	ug/l		91
80) 1,3,5-Trimethylbenzene	12.904	105	31305	5.050	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.469	75	2162	5.107	ug/l	#	78
82) 4-Chlorotoluene	12.945	91	28481	5.461	ug/l		91
83) tert-Butylbenzene	13.169	119	26074	5.032	ug/l		95
84) 1,2,4-Trimethylbenzene	13.210	105	31191	4.976	ug/l		96
85) sec-Butylbenzene	13.345	105	40837	5.205	ug/l		94
86) p-Isopropyltoluene	13.463	119	32963	4.828	ug/l		96
87) 1,3-Dichlorobenzene	13.463	146	19429	5.726	ug/l		95
88) 1,4-Dichlorobenzene	13.539	146	18653	5.564	ug/l		94
89) n-Butylbenzene	13.792	91	35695	5.370	ug/l		94
90) Hexachloroethane	14.057	117	7588	5.666	ug/l		84
91) 1,2-Dichlorobenzene	13.828	146	15456	5.417	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1135	5.710	ug/l		68
93) 1,2,4-Trichlorobenzene	15.098	180	9103	5.161	ug/l		91
94) Hexachlorobutadiene	15.210	225	4834	5.671	ug/l		98
95) Naphthalene	15.333	128	16545	5.017	ug/l	#	95
96) 1,2,3-Trichlorobenzene	15.522	180	7498	5.067	ug/l		96

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

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

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