Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101424\
Data File : VD079975.D
Acq On : 14 Oct 2024 13:21
Operator : RP/MD
Sample : P4368-01 4 PPB
Misc : 5.00G/5ml/MSVOA_D/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024

Quant Time: Oct 15 05:27:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101124S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 15 05:25:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.881	168	136602	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.781	114	228823	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.581	117	213311	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	107366	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.234	65	87593	56.370	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.740%				
35) Dibromofluoromethane	7.805	113	90598	54.856	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.720%				
50) Toluene-d8	10.269	98	311487	52.925	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.840%				
62) 4-Bromofluorobenzene	12.575	95	106602	51.887	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.780%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.934	85	6098	4.542	ug/l		99
3) Chloromethane	2.146	50	6643	4.817	ug/l		95
4) Vinyl Chloride	2.287	62	8752	5.105	ug/l	#	82
5) Bromomethane	2.693	94	8641	5.858	ug/l		95
6) Chloroethane	2.840	64	6098	5.210	ug/l		94
7) Trichlorofluoromethane	3.175	101	12854	4.785	ug/l		97
8) Diethyl Ether	3.593	74	3411	4.623	ug/l		97
9) 1,1,2-Trichlorotrifluo...	3.969	101	8200	4.970	ug/l	#	72
10) Methyl Iodide	4.164	142	7908	4.888	ug/l	#	95
11) Tert butyl alcohol	5.058	59	1729	18.192	ug/l		97
12) 1,1-Dichloroethene	3.934	96	6337	4.318	ug/l	#	94
13) Acrolein	3.799	56	3443	33.786	ug/l		94
14) Allyl chloride	4.569	41	10485	4.810	ug/l		99
15) Acrylonitrile	5.258	53	7682	21.789	ug/l	#	91
16) Acetone	4.034	43	7164	17.787	ug/l	#	72
17) Carbon Disulfide	4.269	76	21320	5.211	ug/l		96
18) Methyl Acetate	4.581	43	6003	6.943	ug/l	#	49
19) Methyl tert-butyl Ether	5.316	73	14510	4.281	ug/l		97
20) Methylene Chloride	4.805	84	13851	7.001	ug/l		94
21) trans-1,2-Dichloroethene	5.316	96	7509	4.765	ug/l		86
22) Diisopropyl ether	6.222	45	19572	4.140	ug/l	#	92
23) Vinyl Acetate	6.163	43	65974	24.836	ug/l		98
24) 1,1-Dichloroethane	6.105	63	15831	5.082	ug/l		98
25) 2-Butanone	7.093	43	10357	21.117	ug/l		95
26) 2,2-Dichloropropane	7.069	77	13771	5.110	ug/l	#	67
27) cis-1,2-Dichloroethene	7.069	96	9539	4.867	ug/l		92
28) Bromochloromethane	7.428	49	6685	5.028	ug/l		99
29) Tetrahydrofuran	7.440	42	5807	22.138	ug/l	#	63
30) Chloroform	7.599	83	16038	4.861	ug/l		89
31) Cyclohexane	7.875	56	12416	5.258	ug/l	#	66
32) 1,1,1-Trichloroethane	7.799	97	13093	4.790	ug/l		97
36) 1,1-Dichloropropene	8.010	75	9599	4.336	ug/l		97
37) Ethyl Acetate	7.175	43	5386m	5.026	ug/l		
38) Carbon Tetrachloride	7.993	117	11589	4.711	ug/l		99
39) Methylcyclohexane	9.281	83	10930	4.400	ug/l		94
40) Benzene	8.252	78	32181	4.597	ug/l		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.405	41	2149	3.819	ug/l	#	74
42) 1,2-Dichloroethane	8.328	62	9582	4.977	ug/l		95
43) Isopropyl Acetate	8.369	43	8397	4.253	ug/l		98
44) Trichloroethene	9.028	130	8213	4.743	ug/l		97
45) 1,2-Dichloropropane	9.310	63	7785	4.386	ug/l		94
46) Dibromomethane	9.399	93	4288	4.378	ug/l		94
47) Bromodichloromethane	9.587	83	11616	4.472	ug/l	#	88
48) Methyl methacrylate	9.381	41	3842	4.320	ug/l		85
49) 1,4-Dioxane	9.387	88	1071	99.519	ug/l	#	91
51) 4-Methyl-2-Pentanone	10.157	43	18932	18.743	ug/l		96
52) Toluene	10.334	92	19798	4.619	ug/l		97
53) t-1,3-Dichloropropene	10.557	75	9013	3.963	ug/l		93
54) cis-1,3-Dichloropropene	10.016	75	11348	4.228	ug/l		98
55) 1,1,2-Trichloroethane	10.734	97	6057	4.403	ug/l		98
56) Ethyl methacrylate	10.599	69	6336	3.942	ug/l		93
57) 1,3-Dichloropropane	10.881	76	9937	4.476	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.869	63	11315	19.026	ug/l		99
59) 2-Hexanone	10.922	43	13719	18.339	ug/l		90
60) Dibromochloromethane	11.075	129	7961	4.454	ug/l		98
61) 1,2-Dibromoethane	11.181	107	5946	4.696	ug/l		95
64) Tetrachloroethene	10.810	164	7275	4.835	ug/l		96
65) Chlorobenzene	11.604	112	23219	4.677	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.681	131	7750	4.346	ug/l		98
67) Ethyl Benzene	11.681	91	33696	4.013	ug/l		100
68) m/p-Xylenes	11.787	106	24730	7.674	ug/l		99
69) o-Xylene	12.122	106	12159	4.078	ug/l		94
70) Styrene	12.134	104	20626	3.888	ug/l		100
71) Bromoform	12.293	173	4364	4.069	ug/l	#	96
73) Isopropylbenzene	12.422	105	30120	4.124	ug/l		96
74) N-amyl acetate	12.234	43	6677	3.780	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.669	83	7354	4.966	ug/l		99
76) 1,2,3-Trichloropropane	12.722	75	4040m	3.411	ug/l		
77) Bromobenzene	12.698	156	9252	4.896	ug/l		96
78) n-propylbenzene	12.763	91	39333	4.332	ug/l		99
79) 2-Chlorotoluene	12.845	91	22719	4.306	ug/l		97
80) 1,3,5-Trimethylbenzene	12.904	105	26513	4.307	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.463	75	2111	3.977	ug/l	#	94
82) 4-Chlorotoluene	12.945	91	23856	4.209	ug/l		98
83) tert-Butylbenzene	13.163	119	21288	4.035	ug/l		94
84) 1,2,4-Trimethylbenzene	13.210	105	24761	4.006	ug/l		97
85) sec-Butylbenzene	13.345	105	32857	4.052	ug/l		99
86) p-Isopropyltoluene	13.457	119	25773	3.810	ug/l		98
87) 1,3-Dichlorobenzene	13.457	146	17402	4.501	ug/l		99
88) 1,4-Dichlorobenzene	13.534	146	19173	4.964	ug/l		95
89) n-Butylbenzene	13.787	91	27559	4.212	ug/l		96
90) Hexachloroethane	14.057	117	6898	4.613	ug/l		95
91) 1,2-Dichlorobenzene	13.834	146	14946	4.426	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1060	4.287	ug/l		82
93) 1,2,4-Trichlorobenzene	15.098	180	8912	4.211	ug/l		97
94) Hexachlorobutadiene	15.204	225	5184	4.448	ug/l		91
95) Naphthalene	15.328	128	15086	3.997	ug/l		97
96) 1,2,3-Trichlorobenzene	15.522	180	7579	4.041	ug/l		95

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

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