Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102821\
Data File : VW020721.D
Acq On : 28 Oct 2021 18:20
Operator : SY/VA
Sample : M4068-01 LOD4PPB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Manual Integrations APPROVED
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10/29/2021 4:39:16 PM

Quant Time: Oct 29 05:33:08 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W102821S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 29 05:29:24 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.946	168	103467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	159817	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	147722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	79420	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	47651	46.853	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.700%			
35) Dibromofluoromethane	7.885	113	41483	44.247	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 88.500%			
50) Toluene-d8	10.323	98	155256	44.128	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 88.260%			
62) 4-Bromofluorobenzene	12.615	95	57678	43.454	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.008	85	425	1.672	ug/l	76
3) Chloromethane	2.209	50	2806	4.536	ug/l	96
4) Vinyl Chloride	2.355	62	3027	4.181	ug/l	93
5) Bromomethane	2.770	94	1914	6.534	ug/l	98
6) Chloroethane	2.910	64	982	5.369	ug/l	92
7) Trichlorofluoromethane	3.251	101	1796	5.272	ug/l	97
8) Diethyl Ether	3.684	74	1870	4.429	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.062	101	3881	4.652	ug/l	96
10) Methyl Iodide	4.269	142	3997	4.253	ug/l	98
11) Tert butyl alcohol	5.178	59	1158	21.394	ug/l #	72
12) 1,1-Dichloroethene	4.038	96	3454	4.247	ug/l	90
13) Acrolein	3.904	56	343	14.414	ug/l	83
14) Allyl chloride	4.666	41	5653	4.520	ug/l	97
15) Acrylonitrile	5.373	53	4419	22.357	ug/l	97
16) Acetone	4.129	43	5040	22.149	ug/l	100
17) Carbon Disulfide	4.379	76	9508	4.224	ug/l	99
18) Methyl Acetate	4.678	43	3693	5.078	ug/l	100
19) Methyl tert-butyl Ether	5.428	73	5102	4.578	ug/l	97
20) Methylene Chloride	4.916	84	7727	7.154	ug/l	94
21) trans-1,2-Dichloroethene	5.422	96	3969	4.364	ug/l	91
22) Diisopropyl ether	6.318	45	10777	4.131	ug/l	98
23) Vinyl Acetate	6.263	43	26533	18.690	ug/l	99
24) 1,1-Dichloroethane	6.220	63	7742	4.630	ug/l	98
25) 2-Butanone	7.177	43	5599	20.465	ug/l	96
26) 2,2-Dichloropropane	7.171	77	4274	4.593	ug/l	99
27) cis-1,2-Dichloroethene	7.171	96	4509	4.532	ug/l	97
28) Bromochloromethane	7.519	49	3476	4.473	ug/l #	99
29) Tetrahydrofuran	7.543	42	3314	20.019	ug/l	96
30) Chloroform	7.671	83	8091	4.634	ug/l	93
31) Cyclohexane	7.958	56	8312	4.877	ug/l #	74
32) 1,1,1-Trichloroethane	7.872	97	6510	4.870	ug/l	96
36) 1,1-Dichloropropene	8.080	75	5926	4.156	ug/l	100
37) Ethyl Acetate	7.257	43	2632	4.326	ug/l #	95
38) Carbon Tetrachloride	8.067	117	5986	4.559	ug/l	94
39) Methylcyclohexane	9.336	83	6725	3.904	ug/l	94
40) Benzene	8.324	78	20012	4.891	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.488	41	1363	3.808	ug/l	#	88
42) 1,2-Dichloroethane	8.403	62	5798	4.610	ug/l		99
43) Isopropyl Acetate	8.427	43	4641	3.982	ug/l		97
44) Trichloroethene	9.092	130	4773	4.440	ug/l		91
45) 1,2-Dichloropropane	9.372	63	4047	4.193	ug/l		94
46) Dibromomethane	9.457	93	2130	4.062	ug/l		93
47) Bromodichloromethane	9.646	83	5886	4.421	ug/l		90
48) Methyl methacrylate	9.439	41	2288	4.009	ug/l		97
49) 1,4-Dioxane	9.451	88	603	86.729	ug/l		94
51) 4-Methyl-2-Pentanone	10.213	43	12174	19.969	ug/l		99
52) Toluene	10.390	92	11064	4.424	ug/l		100
53) t-1,3-Dichloropropene	10.604	75	5195	3.873	ug/l		99
54) cis-1,3-Dichloropropene	10.073	75	6209	4.024	ug/l		99
55) 1,1,2-Trichloroethane	10.787	97	3188	4.358	ug/l		97
56) Ethyl methacrylate	10.646	69	3556	3.892	ug/l		99
57) 1,3-Dichloropropane	10.933	76	5553	4.352	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.927	63	7620	17.587	ug/l		100
59) 2-Hexanone	10.969	43	8299	19.249	ug/l		95
60) Dibromochloromethane	11.128	129	3620	4.141	ug/l		100
61) 1,2-Dibromoethane	11.232	107	3063	4.375	ug/l		100
64) Tetrachloroethene	10.866	164	4275	4.544	ug/l		95
65) Chlorobenzene	11.658	112	12174	4.545	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.731	131	4372	4.478	ug/l		95
67) Ethyl Benzene	11.731	91	20364	4.196	ug/l		98
68) m/p-Xylenes	11.835	106	15128	8.048	ug/l		100
69) o-Xylene	12.164	106	6843	3.955	ug/l		99
70) Styrene	12.183	104	11084	3.737	ug/l		96
71) Bromoform	12.347	173	2243	4.203	ug/l	#	97
73) Isopropylbenzene	12.463	105	18685	3.897	ug/l		99
74) N-amyl acetate	12.274	43	3950	3.597	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.713	83	3702	4.377	ug/l		99
76) 1,2,3-Trichloropropane	12.768	75	2910m	4.274	ug/l		
77) Bromobenzene	12.750	156	5049	4.351	ug/l		94
78) n-propylbenzene	12.804	91	24223	4.099	ug/l		100
79) 2-Chlorotoluene	12.890	91	14125	4.150	ug/l		97
80) 1,3,5-Trimethylbenzene	12.939	105	16643	3.989	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.512	75	1010	3.705	ug/l		92
82) 4-Chlorotoluene	12.987	91	15190	4.205	ug/l		98
83) tert-Butylbenzene	13.207	119	14239	4.014	ug/l		100
84) 1,2,4-Trimethylbenzene	13.249	105	16463	3.962	ug/l		99
85) sec-Butylbenzene	13.384	105	21302	3.992	ug/l		100
86) p-Isopropyltoluene	13.493	119	17671	3.900	ug/l		99
87) 1,3-Dichlorobenzene	13.493	146	9941	4.180	ug/l		95
88) 1,4-Dichlorobenzene	13.573	146	10607	4.470	ug/l		89
89) n-Butylbenzene	13.823	91	16620	3.903	ug/l		99
90) Hexachloroethane	14.091	117	3580	4.341	ug/l		98
91) 1,2-Dichlorobenzene	13.865	146	9024	4.333	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.487	75	607	4.025	ug/l		97
93) 1,2,4-Trichlorobenzene	15.127	180	5993	4.195	ug/l		98
94) Hexachlorobutadiene	15.231	225	3992	4.325	ug/l		100
95) Naphthalene	15.365	128	8719	3.671	ug/l		97
96) 1,2,3-Trichlorobenzene	15.554	180	5391	4.202	ug/l		98

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

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