Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102821\
Data File : VW020720.D
Acq On : 28 Oct 2021 17:56
Operator : SY/VA
Sample : M4068-01 LOD2.5PPB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

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

Manual Integrations APPROVED
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10/29/2021 4:39:15 PM

Quant Time: Oct 29 06:06:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W102821S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 29 06:06:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.952	168	98943	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.842	114	152507	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.628	117	137071	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	73569	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.305	65	46036	47.334	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.660%				
35) Dibromofluoromethane	7.885	113	40664	45.452	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 90.900%				
50) Toluene-d8	10.323	98	151374	45.087	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 90.180%				
62) 4-Bromofluorobenzene	12.615	95	56448	44.566	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 89.140%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.008	85	293	1.206	ug/l	#	45
3) Chloromethane	2.215	50	1608	2.718	ug/l		96
4) Vinyl Chloride	2.361	62	1887	2.725	ug/l		100
5) Bromomethane	2.776	94	1323	4.723	ug/l		95
6) Chloroethane	2.916	64	853	4.877	ug/l		92
7) Trichlorofluoromethane	3.257	101	1291	3.963	ug/l		91
8) Diethyl Ether	3.684	74	1069	2.648	ug/l		92
9) 1,1,2-Trichlorotrifluo...	4.074	101	2443	3.062	ug/l		98
10) Methyl Iodide	4.275	142	2946	3.278	ug/l	#	89
11) Tert butyl alcohol	5.178	59	593m	11.457	ug/l		
12) 1,1-Dichloroethene	4.044	96	2183	2.807	ug/l		93
13) Acrolein	3.897	56	158	6.943	ug/l	#	13
14) Allyl chloride	4.678	41	3481	2.911	ug/l		96
15) Acrylonitrile	5.379	53	2413	12.766	ug/l		98
16) Acetone	4.129	43	3179	14.610	ug/l		93
17) Carbon Disulfide	4.391	76	6041	2.806	ug/l	#	91
18) Methyl Acetate	4.678	43	1796	2.582	ug/l	#	87
19) Methyl tert-butyl Ether	5.428	73	2931	2.750	ug/l		97
20) Methylene Chloride	4.916	84	7153	6.925	ug/l		93
21) trans-1,2-Dichloroethene	5.428	96	2523	2.901	ug/l	#	68
22) Diisopropyl ether	6.318	45	6030	2.417	ug/l		92
23) Vinyl Acetate	6.263	43	15319	11.284	ug/l		100
24) 1,1-Dichloroethane	6.214	63	4528	2.831	ug/l		93
25) 2-Butanone	7.183	43	3148	12.032	ug/l		98
26) 2,2-Dichloropropane	7.165	77	2788	3.133	ug/l		96
27) cis-1,2-Dichloroethene	7.177	96	2608	2.741	ug/l		96
28) Bromochloromethane	7.519	49	1985	2.671	ug/l	#	98
29) Tetrahydrofuran	7.543	42	1811	11.440	ug/l		97
30) Chloroform	7.677	83	4923	2.949	ug/l		98
31) Cyclohexane	7.958	56	6119	3.754	ug/l	#	62
32) 1,1,1-Trichloroethane	7.872	97	3802	2.974	ug/l		97
36) 1,1-Dichloropropene	8.092	75	3630	2.668	ug/l		99
37) Ethyl Acetate	7.269	43	1478	2.546	ug/l	#	70
38) Carbon Tetrachloride	8.074	117	3673	2.932	ug/l		89
39) Methylcyclohexane	9.336	83	4386	2.668	ug/l		94
40) Benzene	8.323	78	12682	3.248	ug/l		97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.494	41	748	2.190	ug/l	#	85
42) 1,2-Dichloroethane	8.403	62	3217	2.681	ug/l		93
43) Isopropyl Acetate	8.427	43	2558	2.300	ug/l		98
44) Trichloroethene	9.098	130	2960	2.885	ug/l		91
45) 1,2-Dichloropropane	9.372	63	2329	2.529	ug/l		97
46) Dibromomethane	9.464	93	1254	2.506	ug/l		99
47) Bromodichloromethane	9.646	83	3276	2.579	ug/l	#	97
48) Methyl methacrylate	9.439	41	1278	2.347	ug/l		88
49) 1,4-Dioxane	9.451	88	337	50.794	ug/l	#	80
51) 4-Methyl-2-Pentanone	10.213	43	6415	11.027	ug/l		97
52) Toluene	10.390	92	6830	2.862	ug/l		98
53) t-1,3-Dichloropropene	10.604	75	2895	2.262	ug/l		97
54) cis-1,3-Dichloropropene	10.073	75	3558	2.417	ug/l		95
55) 1,1,2-Trichloroethane	10.786	97	1791	2.566	ug/l		94
56) Ethyl methacrylate	10.646	69	1888	2.165	ug/l		97
57) 1,3-Dichloropropane	10.939	76	3209	2.635	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.927	63	4646	11.237	ug/l		97
59) 2-Hexanone	10.969	43	4307	10.468	ug/l		95
60) Dibromochloromethane	11.128	129	2164	2.594	ug/l		93
61) 1,2-Dibromoethane	11.232	107	1707	2.555	ug/l		93
64) Tetrachloroethene	10.866	164	2578	2.953	ug/l		88
65) Chlorobenzene	11.658	112	7159	2.880	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.731	131	2414	2.665	ug/l		98
67) Ethyl Benzene	11.731	91	11775	2.615	ug/l		98
68) m/p-Xylenes	11.841	106	9018	5.170	ug/l		99
69) o-Xylene	12.164	106	4141	2.579	ug/l		94
70) Styrene	12.183	104	6568	2.387	ug/l		98
71) Bromoform	12.353	173	1227	2.478	ug/l	#	95
73) Isopropylbenzene	12.463	105	10837	2.440	ug/l		98
74) N-amyl acetate	12.274	43	2145	2.108	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.713	83	2052	2.619	ug/l		94
76) 1,2,3-Trichloropropane	12.768	75	1454m	2.305	ug/l		
77) Bromobenzene	12.743	156	3081	2.866	ug/l		95
78) n-propylbenzene	12.804	91	14775	2.699	ug/l		100
79) 2-Chlorotoluene	12.890	91	8673	2.751	ug/l		98
80) 1,3,5-Trimethylbenzene	12.945	105	9873	2.555	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.512	75	583m	2.309	ug/l		
82) 4-Chlorotoluene	12.987	91	8791	2.627	ug/l		99
83) tert-Butylbenzene	13.207	119	8511	2.590	ug/l		99
84) 1,2,4-Trimethylbenzene	13.249	105	9466	2.459	ug/l		98
85) sec-Butylbenzene	13.384	105	12574	2.544	ug/l		98
86) p-Isopropyltoluene	13.499	119	10652	2.538	ug/l		98
87) 1,3-Dichlorobenzene	13.499	146	6508	2.954	ug/l		99
88) 1,4-Dichlorobenzene	13.579	146	6398	2.911	ug/l		83
89) n-Butylbenzene	13.823	91	10114	2.564	ug/l		97
90) Hexachloroethane	14.091	117	2085	2.729	ug/l		99
91) 1,2-Dichlorobenzene	13.871	146	5623	2.915	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.487	75	381	2.728	ug/l		81
93) 1,2,4-Trichlorobenzene	15.133	180	3700	2.796	ug/l		98
94) Hexachlorobutadiene	15.237	225	2690	3.146	ug/l		99
95) Naphthalene	15.365	128	5387	2.448	ug/l		97
96) 1,2,3-Trichlorobenzene	15.548	180	3275	2.756	ug/l		97

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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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