Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100621\
Data File : VD070590.D
Acq On : 06 Oct 2021 13:38
Operator : VA/SY
Sample : M4068-02 5PPBLOQ
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
M4068-02 5PPBLOQ

Manual Integrations APPROVED
MMDadoda
10/7/2021 5:32:39 PM

Quant Time: Oct 07 07:14:40 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 07 07:10:20 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.979	168	309210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	582535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	546308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	251124	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	203270	55.859	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.720%			
35) Dibromofluoromethane	7.909	113	210079	54.241	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.480%			
50) Toluene-d8	10.338	98	781241	52.765	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.520%			
62) 4-Bromofluorobenzene	12.626	95	252399	51.005	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	20388	5.406	ug/l	94
3) Chloromethane	2.209	50	27786	5.934	ug/l	98
4) Vinyl Chloride	2.344	62	29403	5.666	ug/l	95
5) Bromomethane	2.762	94	22638	6.398	ug/l	93
6) Chloroethane	2.921	64	17993	5.431	ug/l	92
7) Trichlorofluoromethane	3.268	101	38427	5.714	ug/l	94
8) Diethyl Ether	3.709	74	8995	5.141	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	22680	5.565	ug/l	98
10) Methyl Iodide	4.291	142	15584	4.118	ug/l	96
11) Tert butyl alcohol	5.220	59	6724m	37.300	ug/l	
12) 1,1-Dichloroethene	4.068	96	19253	5.306	ug/l	95
13) Acrolein	3.926	56	4645	26.838	ug/l	95
14) Allyl chloride	4.715	41	25252	5.000	ug/l	100
15) Acrylonitrile	5.420	53	19232	25.336	ug/l	98
16) Acetone	4.156	43	15777	25.531	ug/l	99
17) Carbon Disulfide	4.409	76	71418	5.391	ug/l	97
18) Methyl Acetate	4.715	43	14613	6.128	ug/l #	80
19) Methyl tert-butyl Ether	5.473	73	34069	4.713	ug/l	99
20) Methylene Chloride	4.962	84	54616	9.471	ug/l	88
21) trans-1,2-Dichloroethene	5.467	96	23216	5.440	ug/l	95
22) Diisopropyl ether	6.362	45	46692	4.500	ug/l	91
23) Vinyl Acetate	6.309	43	97486	20.664	ug/l	97
24) 1,1-Dichloroethane	6.273	63	40961	5.360	ug/l	97
25) 2-Butanone	7.214	43	19337	23.900	ug/l #	84
26) 2,2-Dichloropropane	7.209	77	32643	5.161	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	24466	5.455	ug/l	96
28) Bromochloromethane	7.544	49	14627	5.497	ug/l #	92
29) Tetrahydrofuran	7.561	42	12602	24.165	ug/l	98
30) Chloroform	7.703	83	44405	5.586	ug/l	91
31) Cyclohexane	7.979	56	36666	5.442	ug/l #	84
32) 1,1,1-Trichloroethane	7.903	97	37215	5.435	ug/l	95
36) 1,1-Dichloropropene	8.108	75	30174	4.877	ug/l	99
37) Ethyl Acetate	7.297	43	10753	5.232	ug/l #	96
38) Carbon Tetrachloride	8.097	117	33148	5.120	ug/l	94
39) Methylcyclohexane	9.350	83	32492	4.567	ug/l	96
40) Benzene	8.350	78	91599	5.023	ug/l	99

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Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.532	41	5851m	5.520 ug/l		
42) 1,2-Dichloroethane	8.420	62	25239	5.352 ug/l		99
43) Isopropyl Acetate	8.450	43	18426	4.892 ug/l	#	98
44) Trichloroethene	9.114	130	23656	5.261 ug/l		93
45) 1,2-Dichloropropane	9.385	63	23323	5.012 ug/l	#	85
46) Dibromomethane	9.473	93	11916	4.989 ug/l		98
47) Bromodichloromethane	9.655	83	31617	5.129 ug/l	#	98
48) Methyl methacrylate	9.456	41	8682	4.917 ug/l		98
49) 1,4-Dioxane	9.461	88	2379	98.020 ug/l	#	95
51) 4-Methyl-2-Pentanone	10.226	43	44169	22.731 ug/l		96
52) Toluene	10.397	92	58494	5.222 ug/l		97
53) t-1,3-Dichloropropene	10.614	75	26026	4.824 ug/l		97
54) cis-1,3-Dichloropropene	10.091	75	30563	4.706 ug/l		99
55) 1,1,2-Trichloroethane	10.791	97	17735	5.450 ug/l		93
56) Ethyl methacrylate	10.655	69	16067	4.623 ug/l		99
57) 1,3-Dichloropropane	10.938	76	29134	5.263 ug/l		100
58) 2-Chloroethyl Vinyl ether	9.938	63	35472	22.626 ug/l		99
59) 2-Hexanone	10.979	43	29909	22.741 ug/l		95
60) Dibromochloromethane	11.138	129	19613	5.003 ug/l		95
61) 1,2-Dibromoethane	11.238	107	15441	5.096 ug/l		99
64) Tetrachloroethene	10.873	164	18139	5.178 ug/l	#	88
65) Chlorobenzene	11.661	112	62131	5.333 ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.738	131	22260	5.137 ug/l		95
67) Ethyl Benzene	11.738	91	90576	4.506 ug/l		92
68) m/p-Xylenes	11.844	106	69922	8.832 ug/l		96
69) o-Xylene	12.173	106	31874	4.527 ug/l		95
70) Styrene	12.185	104	50569	4.076 ug/l		98
71) Bromoform	12.349	173	11028	5.420 ug/l	#	99
73) Isopropylbenzene	12.467	105	76845	4.197 ug/l		97
74) N-amyl acetate	12.279	43	14980	4.342 ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.720	83	19752	5.518 ug/l		100
76) 1,2,3-Trichloropropane	12.773	75	12293m	5.408 ug/l		
77) Bromobenzene	12.749	156	21227	5.186 ug/l		97
78) n-propylbenzene	12.808	91	108795	4.696 ug/l		98
79) 2-Chlorotoluene	12.896	91	64253	4.728 ug/l		97
80) 1,3,5-Trimethylbenzene	12.949	105	69224	4.433 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.514	75	3850	3.761 ug/l	#	88
82) 4-Chlorotoluene	12.991	91	67421	4.745 ug/l		100
83) tert-Butylbenzene	13.208	119	57327	4.442 ug/l		99
84) 1,2,4-Trimethylbenzene	13.255	105	63240	4.071 ug/l		95
85) sec-Butylbenzene	13.391	105	86681	4.333 ug/l		96
86) p-Isopropyltoluene	13.502	119	68946	4.220 ug/l		98
87) 1,3-Dichlorobenzene	13.508	146	41460	4.824 ug/l		97
88) 1,4-Dichlorobenzene	13.585	146	46080	5.408 ug/l		97
89) n-Butylbenzene	13.832	91	67322	4.316 ug/l		99
90) Hexachloroethane	14.096	117	18182	5.147 ug/l		99
91) 1,2-Dichlorobenzene	13.879	146	37607	5.131 ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.485	75	3244	6.277 ug/l		76
93) 1,2,4-Trichlorobenzene	15.143	180	19125	4.847 ug/l		95
94) Hexachlorobutadiene	15.249	225	12891	5.170 ug/l		99
95) Naphthalene	15.379	128	31907	4.479 ug/l		98
96) 1,2,3-Trichlorobenzene	15.579	180	17160	4.938 ug/l		99

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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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