Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021423\
Data File : VD075335.D
Acq On : 14 Feb 2023 11:26
Operator : KP/SY
Sample : VD0214SBS01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0214SBS01

Quant Time: Feb 15 03:29:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 08 04:26:58 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	46830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	75470	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	69278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	35060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	27151	49.445	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.880%			
35) Dibromofluoromethane	7.804	113	27632	52.215	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.440%			
50) Toluene-d8	10.269	98	100109	49.883	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.760%			
62) 4-Bromofluorobenzene	12.575	95	33850	51.153	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	8879	21.509	ug/l	91
3) Chloromethane	2.146	50	15104	19.918	ug/l	95
4) Vinyl Chloride	2.281	62	15436	19.813	ug/l	96
5) Bromomethane	2.687	94	9973	20.007	ug/l	99
6) Chloroethane	2.834	64	11137	20.721	ug/l	91
7) Trichlorofluoromethane	3.169	101	19747	20.385	ug/l	93
8) Diethyl Ether	3.599	74	4685	17.991	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.975	101	11711	21.304	ug/l	97
10) Methyl Iodide	4.163	142	11259	18.593	ug/l	94
11) Tert butyl alcohol	5.063	59	2568	71.300	ug/l #	89
12) 1,1-Dichloroethene	3.946	96	10378	19.800	ug/l	98
13) Acrolein	3.787	56	2110	99.714	ug/l #	81
14) Allyl chloride	4.563	41	17441	20.000	ug/l	92
15) Acrylonitrile	5.263	53	12630	99.670	ug/l	98
16) Acetone	4.028	43	13248	91.240	ug/l	96
17) Carbon Disulfide	4.269	76	30529	18.880	ug/l	96
18) Methyl Acetate	4.563	43	7638	17.955	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	23418	19.460	ug/l	96
20) Methylene Chloride	4.805	84	14893	20.824	ug/l	90
21) trans-1,2-Dichloroethene	5.316	96	11808	19.908	ug/l	91
22) Diisopropyl ether	6.216	45	35924	20.711	ug/l	94
23) Vinyl Acetate	6.157	43	61811	116.047	ug/l	95
24) 1,1-Dichloroethane	6.116	63	23424	21.660	ug/l	96
25) 2-Butanone	7.081	43	16868	93.757	ug/l	100
26) 2,2-Dichloropropane	7.081	77	20384	21.295	ug/l	95
27) cis-1,2-Dichloroethene	7.087	96	13314	20.064	ug/l	95
28) Bromochloromethane	7.428	49	6375	21.353	ug/l #	96
29) Tetrahydrofuran	7.440	42	9192	94.880	ug/l	98
30) Chloroform	7.593	83	24526	22.034	ug/l	99
31) Cyclohexane	7.881	56	19046	19.533	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	22003	22.099	ug/l	98
36) 1,1-Dichloropropene	8.010	75	17336	21.030	ug/l	99
37) Ethyl Acetate	7.175	43	6762	18.808	ug/l #	92
38) Carbon Tetrachloride	7.993	117	17804	23.307	ug/l	92
39) Methylcyclohexane	9.275	83	19108	20.025	ug/l	98
40) Benzene	8.251	78	48062	20.744	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.404	41	3856	17.979	ug/l		93
42) 1,2-Dichloroethane	8.328	62	14181	21.141	ug/l		99
43) Isopropyl Acetate	8.357	43	13267	19.312	ug/l	#	88
44) Trichloroethene	9.034	130	13125	20.551	ug/l		94
45) 1,2-Dichloropropane	9.304	63	13013	22.116	ug/l		91
46) Dibromomethane	9.393	93	6840	20.977	ug/l		96
47) Bromodichloromethane	9.587	83	17719	21.834	ug/l		96
48) Methyl methacrylate	9.381	41	6289	19.277	ug/l		91
49) 1,4-Dioxane	9.393	88	1000	334.007	ug/l	#	86
51) 4-Methyl-2-Pentanone	10.157	43	35009	100.802	ug/l		93
52) Toluene	10.334	92	30395	20.828	ug/l		93
53) t-1,3-Dichloropropene	10.557	75	14120	20.087	ug/l		94
54) cis-1,3-Dichloropropene	10.016	75	17945	21.352	ug/l		93
55) 1,1,2-Trichloroethane	10.740	97	8860	21.285	ug/l		93
56) Ethyl methacrylate	10.604	69	9933	20.527	ug/l		91
57) 1,3-Dichloropropane	10.881	76	15314	21.597	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.875	63	14977	115.912	ug/l		98
59) 2-Hexanone	10.922	43	24454	96.376	ug/l		97
60) Dibromochloromethane	11.081	129	11456	22.214	ug/l		99
61) 1,2-Dibromoethane	11.181	107	8120	20.231	ug/l		97
64) Tetrachloroethene	10.810	164	11518	21.587	ug/l		94
65) Chlorobenzene	11.610	112	33422	21.392	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.681	131	12977	22.814	ug/l		89
67) Ethyl Benzene	11.687	91	58610	20.320	ug/l		98
68) m/p-Xylenes	11.798	106	45774	41.720	ug/l		97
69) o-Xylene	12.122	106	21080	20.569	ug/l		94
70) Styrene	12.139	104	36328	20.926	ug/l		97
71) Bromoform	12.304	173	6608	21.628	ug/l	#	97
73) Isopropylbenzene	12.428	105	57341	20.189	ug/l		97
74) N-amyl acetate	12.239	43	11949	18.722	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.675	83	9901	20.037	ug/l		94
76) 1,2,3-Trichloropropane	12.728	75	8125m	20.403	ug/l		
77) Bromobenzene	12.698	156	13127	20.410	ug/l		96
78) n-propylbenzene	12.769	91	72611	20.546	ug/l		99
79) 2-Chlorotoluene	12.851	91	39951	20.609	ug/l		98
80) 1,3,5-Trimethylbenzene	12.910	105	48429	20.478	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.469	75	2116	18.619	ug/l		90
82) 4-Chlorotoluene	12.951	91	42301	20.918	ug/l		100
83) tert-Butylbenzene	13.169	119	41585	20.397	ug/l		99
84) 1,2,4-Trimethylbenzene	13.216	105	48380	20.482	ug/l		99
85) sec-Butylbenzene	13.351	105	64971	20.773	ug/l		99
86) p-Isopropyltoluene	13.463	119	53571	20.938	ug/l		99
87) 1,3-Dichlorobenzene	13.463	146	27348	21.038	ug/l		98
88) 1,4-Dichlorobenzene	13.539	146	26895	20.676	ug/l		95
89) n-Butylbenzene	13.792	91	51235	20.512	ug/l		98
90) Hexachloroethane	14.057	117	10784	21.379	ug/l		92
91) 1,2-Dichlorobenzene	13.834	146	24621	21.829	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1563	20.393	ug/l		91
93) 1,2,4-Trichlorobenzene	15.104	180	13995	19.811	ug/l		98
94) Hexachlorobutadiene	15.204	225	7810	20.955	ug/l		97
95) Naphthalene	15.333	128	23388	17.788	ug/l		96
96) 1,2,3-Trichlorobenzene	15.528	180	12307	20.192	ug/l		98

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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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