Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060623\
Data File : VD076333.D
Acq On : 06 Jun 2023 11:31
Operator : KP/SY
Sample : VD0606SBS01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0606SBS01

Quant Time: Jun 07 06:09:47 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060523S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 06 02:52:23 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	181053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	326924	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	306091	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	156657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	94119	58.018	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.040%			
35) Dibromofluoromethane	7.805	113	106677	51.392	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.780%			
50) Toluene-d8	10.269	98	433986	52.511	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.020%			
62) 4-Bromofluorobenzene	12.575	95	118220	54.052	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	35059	19.996	ug/l	97
3) Chloromethane	2.146	50	68436	20.313	ug/l	98
4) Vinyl Chloride	2.281	62	89979	20.349	ug/l	98
5) Bromomethane	2.681	94	63451	22.117	ug/l	99
6) Chloroethane	2.828	64	63381	21.389	ug/l	100
7) Trichlorofluoromethane	3.170	101	60010	20.440	ug/l	96
8) Diethyl Ether	3.587	74	20301	21.198	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.964	101	39091	20.816	ug/l	98
10) Methyl Iodide	4.158	142	55289	21.156	ug/l	96
11) Tert butyl alcohol	5.064	59	9784	107.916	ug/l	96
12) 1,1-Dichloroethene	3.928	96	40441	20.286	ug/l	91
13) Acrolein	3.799	56	22346	113.289	ug/l	99
14) Allyl chloride	4.552	41	40912	20.886	ug/l	98
15) Acrylonitrile	5.252	53	43366	113.396	ug/l	99
16) Acetone	4.028	43	31386	105.630	ug/l	94
17) Carbon Disulfide	4.264	76	135846	20.430	ug/l	99
18) Methyl Acetate	4.564	43	28665	22.749	ug/l	98
19) Methyl tert-butyl Ether	5.316	73	81638	22.227	ug/l	100
20) Methylene Chloride	4.799	84	57063	20.262	ug/l	95
21) trans-1,2-Dichloroethene	5.305	96	47251	20.454	ug/l	94
22) Diisopropyl ether	6.216	45	97111	22.292	ug/l	96
23) Vinyl Acetate	6.152	43	180825m	110.323	ug/l	
24) 1,1-Dichloroethane	6.116	63	77166	21.689	ug/l	98
25) 2-Butanone	7.087	43	42476	103.238	ug/l	97
26) 2,2-Dichloropropane	7.075	77	59917	20.338	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	54123	21.688	ug/l	98
28) Bromochloromethane	7.428	49	22680	23.982	ug/l	100
29) Tetrahydrofuran	7.446	42	26628	109.699	ug/l	99
30) Chloroform	7.593	83	82093	21.985	ug/l	97
31) Cyclohexane	7.875	56	53841	19.768	ug/l	92
32) 1,1,1-Trichloroethane	7.793	97	60718	20.420	ug/l	100
36) 1,1-Dichloropropene	8.005	75	56174	18.836	ug/l	99
37) Ethyl Acetate	7.169	43	21346	21.695	ug/l	95
38) Carbon Tetrachloride	7.993	117	48938	18.719	ug/l	94
39) Methylcyclohexane	9.269	83	60658	17.801	ug/l	96
40) Benzene	8.252	78	190330	20.175	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.405	41	8314	16.585	ug/l	#	70
42) 1,2-Dichloroethane	8.328	62	45377	20.826	ug/l		100
43) Isopropyl Acetate	8.357	43	36134	20.491	ug/l		99
44) Trichloroethene	9.028	130	50736	19.234	ug/l		95
45) 1,2-Dichloropropane	9.304	63	45009	20.328	ug/l		98
46) Dibromomethane	9.393	93	26375	21.044	ug/l		98
47) Bromodichloromethane	9.581	83	61962	21.089	ug/l		96
48) Methyl methacrylate	9.381	41	15014	18.795	ug/l		97
49) 1,4-Dioxane	9.381	88	5361	390.267	ug/l		95
51) 4-Methyl-2-Pentanone	10.157	43	92851	99.895	ug/l		100
52) Toluene	10.334	92	116607	20.099	ug/l		99
53) t-1,3-Dichloropropene	10.557	75	55240	20.258	ug/l		99
54) cis-1,3-Dichloropropene	10.016	75	69980	20.768	ug/l		97
55) 1,1,2-Trichloroethane	10.734	97	38299	21.582	ug/l		92
56) Ethyl methacrylate	10.599	69	36033	19.908	ug/l		96
57) 1,3-Dichloropropane	10.881	76	59692	21.178	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.869	63	79451	104.549	ug/l		100
59) 2-Hexanone	10.922	43	62755	98.404	ug/l		99
60) Dibromochloromethane	11.075	129	42271	21.013	ug/l		98
61) 1,2-Dibromoethane	11.181	107	34820	21.563	ug/l		98
64) Tetrachloroethene	10.810	164	41358	18.863	ug/l		93
65) Chlorobenzene	11.610	112	130886	19.958	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.681	131	43821	19.901	ug/l		100
67) Ethyl Benzene	11.687	91	199286	18.856	ug/l		99
68) m/p-Xylenes	11.793	106	167836	38.415	ug/l		97
69) o-Xylene	12.122	106	76340	19.380	ug/l		98
70) Styrene	12.140	104	136030	20.136	ug/l		100
71) Bromoform	12.304	173	24993	21.039	ug/l	#	99
73) Isopropylbenzene	12.422	105	179381	17.886	ug/l		99
74) N-amyl acetate	12.234	43	31736	18.454	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.675	83	40315	20.081	ug/l		99
76) 1,2,3-Trichloropropane	12.728	75	28118m	19.228	ug/l		
77) Bromobenzene	12.704	156	52059	19.743	ug/l		99
78) n-propylbenzene	12.763	91	232053	18.715	ug/l		100
79) 2-Chlorotoluene	12.851	91	132080	19.529	ug/l		98
80) 1,3,5-Trimethylbenzene	12.904	105	159748	19.317	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.469	75	11794	19.317	ug/l		99
82) 4-Chlorotoluene	12.951	91	144040	20.002	ug/l		98
83) tert-Butylbenzene	13.169	119	125201	18.054	ug/l		99
84) 1,2,4-Trimethylbenzene	13.216	105	159738	19.340	ug/l		100
85) sec-Butylbenzene	13.345	105	199319	18.686	ug/l		98
86) p-Isopropyltoluene	13.463	119	166291	18.808	ug/l		98
87) 1,3-Dichlorobenzene	13.463	146	107181	20.163	ug/l		99
88) 1,4-Dichlorobenzene	13.540	146	107040	19.888	ug/l		99
89) n-Butylbenzene	13.792	91	149617	18.207	ug/l		98
90) Hexachloroethane	14.057	117	33987	19.146	ug/l		97
91) 1,2-Dichlorobenzene	13.834	146	93259	20.208	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	5174	19.509	ug/l		93
93) 1,2,4-Trichlorobenzene	15.104	180	52212	19.465	ug/l		96
94) Hexachlorobutadiene	15.204	225	24073	18.355	ug/l		100
95) Naphthalene	15.334	128	92947	18.806	ug/l		99
96) 1,2,3-Trichlorobenzene	15.522	180	45323	19.107	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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