Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101521\
Data File : VD070719.D
Acq On : 15 Oct 2021 16:41
Operator : VA/SY
Sample : VD1015SBSD01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBSD01

Manual Integrations APPROVED
MMDadoda
10/18/2021 5:51:16 PM

Quant Time: Oct 18 08:33:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 18 08:32:03 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.973	168	432927	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.861	114	743296	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.638	117	713511	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	348116	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.326	65	261113	50.92	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.84%				
35) Dibromofluoromethane	7.908	113	224501	47.17	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.34%				
50) Toluene-d8	10.332	98	882061	48.35	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.70%				
62) 4-Bromofluorobenzene	12.626	95	306139	48.73	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.46%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.985	85	93574	18.49	ug/l		95
3) Chloromethane	2.209	50	147884	19.69	ug/l		98
4) Vinyl Chloride	2.344	62	144555	18.78	ug/l		100
5) Bromomethane	2.744	94	96949	20.66	ug/l		89
6) Chloroethane	2.909	64	94167	19.43	ug/l		96
7) Trichlorofluoromethane	3.267	101	165150	18.98	ug/l		97
8) Diethyl Ether	3.709	74	47387	20.44	ug/l		77
9) 1,1,2-Trichlorotrifluo...	4.085	101	103074	19.81	ug/l		98
10) Methyl Iodide	4.297	142	79105	17.00	ug/l		99
11) Tert butyl alcohol	5.220	59	30977	107.91	ug/l	#	87
12) 1,1-Dichloroethene	4.061	96	89863	19.10	ug/l		88
13) Acrolein	3.920	56	26910	96.86	ug/l		89
14) Allyl chloride	4.709	41	168202	18.88	ug/l	#	89
15) Acrylonitrile	5.414	53	127105	104.13	ug/l		99
16) Acetone	4.156	43	109826	88.80	ug/l		92
17) Carbon Disulfide	4.409	76	318062	18.55	ug/l		98
18) Methyl Acetate	4.714	43	96678	22.49	ug/l	#	86
19) Methyl tert-butyl Ether	5.467	73	213954	21.03	ug/l		100
20) Methylene Chloride	4.961	84	160125	22.11	ug/l	#	87
21) trans-1,2-Dichloroethene	5.473	96	105649	19.57	ug/l		93
22) Diisopropyl ether	6.361	45	368738	21.26	ug/l	#	95
23) Vinyl Acetate	6.303	43	816044	99.33	ug/l	#	91
24) 1,1-Dichloroethane	6.255	63	216932	20.08	ug/l		98
25) 2-Butanone	7.208	43	153888	100.72	ug/l	#	88
26) 2,2-Dichloropropane	7.208	77	165657	19.39	ug/l		96
27) cis-1,2-Dichloroethene	7.208	96	115867	20.02	ug/l		90
28) Bromochloromethane	7.544	49	97616	22.73	ug/l	#	80
29) Tetrahydrofuran	7.561	42	97567	104.31	ug/l	#	83
30) Chloroform	7.708	83	215674	20.43	ug/l		100
31) Cyclohexane	7.985	56	194454	18.74	ug/l	#	84
32) 1,1,1-Trichloroethane	7.897	97	177116	19.78	ug/l		95
36) 1,1-Dichloropropene	8.108	75	152924	18.47	ug/l		98
37) Ethyl Acetate	7.291	43	71530	20.85	ug/l	#	96
38) Carbon Tetrachloride	8.097	117	150231	18.94	ug/l		93
39) Methylcyclohexane	9.349	83	165014	17.67	ug/l	#	82
40) Benzene	8.350	78	461299	19.34	ug/l		96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.520	41	38326	18.97	ug/l	#	85
42) 1,2-Dichloroethane	8.420	62	137247	20.28	ug/l		95
43) Isopropyl Acetate	8.450	43	130622	19.96	ug/l		92
44) Trichloroethene	9.108	130	103928	18.56	ug/l		98
45) 1,2-Dichloropropane	9.379	63	125995	20.00	ug/l		97
46) Dibromomethane	9.467	93	59495	19.72	ug/l		96
47) Bromodichloromethane	9.655	83	159340	19.91	ug/l		98
48) Methyl methacrylate	9.455	41	65722	20.50	ug/l	#	82
49) 1,4-Dioxane	9.461	88	12836	396.19	ug/l	#	80
51) 4-Methyl-2-Pentanone	10.226	43	348037	100.90	ug/l		89
52) Toluene	10.396	92	279029	19.65	ug/l		96
53) t-1,3-Dichloropropene	10.614	75	145190	20.31	ug/l		100
54) cis-1,3-Dichloropropene	10.085	75	167114	19.53	ug/l	#	85
55) 1,1,2-Trichloroethane	10.791	97	84861	20.48	ug/l		94
56) Ethyl methacrylate	10.655	69	98031	20.10	ug/l	#	84
57) 1,3-Dichloropropane	10.938	76	145992	19.86	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.938	63	227260	104.12	ug/l		94
59) 2-Hexanone	10.979	43	240282	98.97	ug/l		87
60) Dibromochloromethane	11.132	129	96681	20.30	ug/l		98
61) 1,2-Dibromoethane	11.238	107	75257	19.85	ug/l		98
64) Tetrachloroethene	10.867	164	89680	18.70	ug/l		93
65) Chlorobenzene	11.661	112	278616	19.04	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.738	131	103443	19.11	ug/l		98
67) Ethyl Benzene	11.738	91	496119	18.54	ug/l		98
68) m/p-Xylenes	11.843	106	389687	38.45	ug/l		98
69) o-Xylene	12.173	106	173021	18.82	ug/l		97
70) Styrene	12.185	104	310703	19.44	ug/l		96
71) Bromoform	12.349	173	55377	19.70	ug/l	#	99
73) Isopropylbenzene	12.467	105	451074	18.19	ug/l		100
74) N-amyl acetate	12.279	43	125989	19.51	ug/l	#	88
75) 1,1,2,2-Tetrachloroethane	12.720	83	95168	19.40	ug/l		98
76) 1,2,3-Trichloropropane	12.773	75	62618m	20.82	ug/l		
77) Bromobenzene	12.749	156	108906	19.39	ug/l		98
78) n-propylbenzene	12.808	91	604589	18.75	ug/l		98
79) 2-Chlorotoluene	12.896	91	354290	19.01	ug/l		97
80) 1,3,5-Trimethylbenzene	12.949	105	400348	19.09	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.520	75	27587	20.09	ug/l	#	87
82) 4-Chlorotoluene	12.990	91	375602	19.06	ug/l		98
83) tert-Butylbenzene	13.214	119	320587	18.50	ug/l		97
84) 1,2,4-Trimethylbenzene	13.255	105	396617	19.02	ug/l		100
85) sec-Butylbenzene	13.390	105	510064	18.73	ug/l		100
86) p-Isopropyltoluene	13.502	119	413578	18.89	ug/l		99
87) 1,3-Dichlorobenzene	13.502	146	224269	19.02	ug/l		98
88) 1,4-Dichlorobenzene	13.579	146	222889	19.14	ug/l		97
89) n-Butylbenzene	13.832	91	404412	18.30	ug/l		98
90) Hexachloroethane	14.102	117	86901	18.39	ug/l		91
91) 1,2-Dichlorobenzene	13.879	146	192033	19.05	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	14373	18.37	ug/l		99
93) 1,2,4-Trichlorobenzene	15.143	180	107743	18.69	ug/l		97
94) Hexachlorobutadiene	15.249	225	69673	18.43	ug/l		98
95) Naphthalene	15.384	128	183112	19.48	ug/l		99
96) 1,2,3-Trichlorobenzene	15.579	180	98506	19.23	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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