

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065216.D
 Acq On : 18 Feb 2020 12:26
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 1:44:13 PM

Quant Time: Feb 19 03:21:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 02:58:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	500982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	731927	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	662130	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	323555	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	437739	97.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.26%	
35) Dibromofluoromethane	7.92	113	449044	100.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.24%	
50) Toluene-d8	10.34	98	1792980	105.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.18%	
62) 4-Bromofluorobenzene	12.64	95	566900	104.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	445838	106.103	ug/l	100
3) Chloromethane	2.21	50	528400	98.798	ug/l	100
4) Vinyl Chloride	2.35	62	550494	101.222	ug/l	99
5) Bromomethane	2.76	94	316244	96.174	ug/l	99
6) Chloroethane	2.91	64	323683	97.504	ug/l	97
7) Trichlorofluoromethane	3.27	101	767178	98.530	ug/l	99
8) Diethyl Ether	3.71	74	230811	98.205	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	482746	98.178	ug/l	99
10) Methyl Iodide	4.29	142	598818	117.293	ug/l	100
11) Tert butyl alcohol	5.26	59	129337	480.246	ug/l	98
12) 1,1-Dichloroethene	4.06	96	466748	100.487	ug/l	94
13) Acrolein	3.93	56	158746	395.951	ug/l	98
14) Allyl chloride	4.71	41	786078	104.216	ug/l	99
15) Acrylonitrile	5.43	53	523986	503.562	ug/l	99
16) Acetone	4.16	43	584671	530.698	ug/l	98
17) Carbon Disulfide	4.40	76	1573034	101.014	ug/l	100
18) Methyl Acetate	4.72	43	237396	95.809	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	1035783	106.935	ug/l	100
20) Methylene Chloride	4.96	84	500643	89.520	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	535484	101.411	ug/l	96
22) Diisopropyl ether	6.37	45	1513565	104.090	ug/l	99
23) Vinyl Acetate	6.31	43	4441812	554.097	ug/l	100
24) 1,1-Dichloroethane	6.27	63	900338	99.825	ug/l	99
25) 2-Butanone	7.22	43	720865	517.160	ug/l	100
26) 2,2-Dichloropropane	7.21	77	779987	99.675	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	572861	102.421	ug/l	100
28) Bromochloromethane	7.55	49	331982	99.215	ug/l	98
29) Tetrahydrofuran	7.57	42	428426	524.573	ug/l	100
30) Chloroform	7.71	83	884797	97.374	ug/l	98
31) Cyclohexane	7.99	56	877694	99.045	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	813380	100.048	ug/l	100
36) 1,1-Dichloropropene	8.11	75	739642	103.857	ug/l	100
37) Ethyl Acetate	7.30	43	303881	102.070	ug/l	99
38) Carbon Tetrachloride	8.10	117	747923	103.165	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	947567	113.176	ug/l	98
40) Benzene	8.36	78	2079919	103.470	ug/l	99
41) Methacrylonitrile	7.53	41	195012	113.444	ug/l	90
42) 1,2-Dichloroethane	8.43	62	549827	99.494	ug/l	100
43) Isopropyl Acetate	8.46	43	573255	105.885	ug/l	100
44) Trichloroethene	9.11	130	578287	103.782	ug/l	96
45) 1,2-Dichloropropane	9.39	63	505891	101.210	ug/l	98
46) Dibromomethane	9.48	93	257142	99.985	ug/l	98
47) Bromodichloromethane	9.67	83	686220	101.248	ug/l	97
48) Methyl methacrylate	9.46	41	276414	110.456	ug/l	97
49) 1,4-Dioxane	9.47	88	63857	2117.043	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	1472724	535.574	ug/l	100
52) Toluene	10.41	92	1340152	107.708	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	674565	107.377	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	809205	106.670	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	358010	98.903	ug/l	95
56) Ethyl methacrylate	10.67	69	472799	113.162	ug/l	99
57) 1,3-Dichloropropane	10.95	76	636663	103.340	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	631565	479.466	ug/l	100
59) 2-Hexanone	10.99	43	1099654	558.647	ug/l	98
60) Dibromochloromethane	11.14	129	468698	101.163	ug/l	100
61) 1,2-Dibromoethane	11.25	107	351567	102.579	ug/l	99
64) Tetrachloroethene	10.88	164	487867	103.889	ug/l	99
65) Chlorobenzene	11.68	112	1368918	103.025	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	511223	103.101	ug/l	99
67) Ethyl Benzene	11.75	91	2525876	108.540	ug/l	99
68) m/p-Xylenes	11.86	106	1936036	217.449	ug/l	98
69) o-Xylene	12.18	106	876194	111.080	ug/l	100
70) Styrene	12.20	104	1550598	110.720	ug/l	100
71) Bromoform	12.37	173	281826	102.428	ug/l #	99
73) Isopropylbenzene	12.48	105	2394544	111.786	ug/l	99
74) N-amyl acetate	12.30	43	527712	110.868	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	384881	99.556	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	255213m	55.041	ug/l	
77) Bromobenzene	12.77	156	559211	105.131	ug/l	99
78) n-propylbenzene	12.83	91	2817495	109.452	ug/l	99
79) 2-Chlorotoluene	12.91	91	1554512	107.797	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1953167	110.706	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	135147	106.000	ug/l	97
82) 4-Chlorotoluene	13.01	91	1609990	105.162	ug/l	100
83) tert-Butylbenzene	13.23	119	1674882	113.268	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	1936774	109.676	ug/l	100
85) sec-Butylbenzene	13.41	105	2349360	110.261	ug/l	100
86) p-Isopropyltoluene	13.53	119	2189688	112.376	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1066670	103.730	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1044742	102.941	ug/l	99
89) n-Butylbenzene	13.86	91	2016034	112.280	ug/l	99
90) Hexachloroethane	14.12	117	415810	105.097	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	912476	103.345	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	60054	100.801	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	627042	108.570	ug/l	98
94) Hexachlorobutadiene	15.28	225	395141	106.655	ug/l	99
95) Naphthalene	15.41	128	1092145	116.321	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	546219	108.288	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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