

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031620\
 Data File : VD065516.D
 Acq On : 16 Mar 2020 16:57
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 12:09:57 PM

Quant Time: Mar 17 07:45:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	481567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	710120	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	662559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	315428	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	196277	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
35) Dibromofluoromethane	7.92	113	214545	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	10.34	98	839264	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.64	95	276886	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	173952	42.030	ug/l	99
3) Chloromethane	2.21	50	218677	43.764	ug/l	100
4) Vinyl Chloride	2.36	62	227218	46.103	ug/l	97
5) Bromomethane	2.77	94	157652	57.837	ug/l	99
6) Chloroethane	2.93	64	147859	48.984	ug/l	99
7) Trichlorofluoromethane	3.27	101	344829	47.483	ug/l	97
8) Diethyl Ether	3.71	74	103802	48.065	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	227137	48.563	ug/l	99
10) Methyl Iodide	4.30	142	266331	54.811	ug/l	98
11) Tert butyl alcohol	5.24	59	51419	217.008	ug/l	97
12) 1,1-Dichloroethene	4.07	96	211769	47.284	ug/l	97
13) Acrolein	3.92	56	85537	209.321	ug/l	99
14) Allyl chloride	4.71	41	336858	48.962	ug/l	99
15) Acrylonitrile	5.43	53	223095	237.454	ug/l	99
16) Acetone	4.16	43	192159	230.012	ug/l	95
17) Carbon Disulfide	4.40	76	660344	44.275	ug/l	99
18) Methyl Acetate	4.72	43	96795	45.675	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	442382	51.364	ug/l	97
20) Methylene Chloride	4.97	84	257676	57.301	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	246166	49.410	ug/l	99
22) Diisopropyl ether	6.37	45	679833	53.156	ug/l	99
23) Vinyl Acetate	6.31	43	1835310	258.445	ug/l	100
24) 1,1-Dichloroethane	6.27	63	413974	50.464	ug/l	99
25) 2-Butanone	7.22	43	259445	227.569	ug/l	99
26) 2,2-Dichloropropane	7.21	77	363657	50.728	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	268789	52.782	ug/l	98
28) Bromochloromethane	7.56	49	178219	54.301	ug/l	98
29) Tetrahydrofuran	7.57	42	173914	238.872	ug/l	99
30) Chloroform	7.71	83	420972	51.342	ug/l	98
31) Cyclohexane	7.98	56	379528	46.268	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	383212	50.574	ug/l	100
36) 1,1-Dichloropropene	8.11	75	330401	48.539	ug/l	99
37) Ethyl Acetate	7.30	43	123275	46.855	ug/l	99
38) Carbon Tetrachloride	8.10	117	348812	49.416	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	414285	50.391	ug/l	95
40) Benzene	8.36	78	962426	50.569	ug/l	100
41) Methacrylonitrile	7.53	41	70274	50.506	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	245349	49.369	ug/l	100
43) Isopropyl Acetate	8.46	43	229152	47.170	ug/l	99
44) Trichloroethene	9.11	130	275042	51.173	ug/l	100
45) 1,2-Dichloropropane	9.39	63	236419	51.282	ug/l	94
46) Dibromomethane	9.48	93	119977	50.172	ug/l	97
47) Bromodichloromethane	9.67	83	317933	51.105	ug/l	95
48) Methyl methacrylate	9.46	41	111173	48.650	ug/l	99
49) 1,4-Dioxane	9.47	88	25424	929.472	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	614132	251.217	ug/l	99
52) Toluene	10.41	92	624348	52.074	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	304204	52.325	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	373847	53.125	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	172931	51.059	ug/l	99
56) Ethyl methacrylate	10.67	69	209263	54.806	ug/l	97
57) 1,3-Dichloropropane	10.95	76	295304	51.531	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	282550	236.884	ug/l	97
59) 2-Hexanone	10.99	43	417623	246.782	ug/l	98
60) Dibromochloromethane	11.15	129	224213	51.644	ug/l	99
61) 1,2-Dibromoethane	11.25	107	165588	51.256	ug/l	96
64) Tetrachloroethene	10.88	164	239544	50.455	ug/l	96
65) Chlorobenzene	11.68	112	675213	51.498	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	250181	52.392	ug/l	96
67) Ethyl Benzene	11.75	91	1207746	53.311	ug/l	100
68) m/p-Xylenes	11.86	106	920880	105.419	ug/l	100
69) o-Xylene	12.18	106	426681	55.528	ug/l	99
70) Styrene	12.20	104	740994	54.793	ug/l	99
71) Bromoform	12.37	173	131755	49.122	ug/l #	99
73) Isopropylbenzene	12.48	105	1159853	55.904	ug/l	100
74) N-amyl acetate	12.30	43	217566	51.223	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	176998	48.534	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	140408m	56.412	ug/l	
77) Bromobenzene	12.77	156	281563	54.623	ug/l	96
78) n-propylbenzene	12.83	91	1340430	54.452	ug/l	100
79) 2-Chlorotoluene	12.91	91	739710	53.318	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	928683	54.447	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	57568	48.809	ug/l	99
82) 4-Chlorotoluene	13.01	91	773903	53.084	ug/l	100
83) tert-Butylbenzene	13.23	119	827612	57.354	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	927316	55.155	ug/l	99
85) sec-Butylbenzene	13.41	105	1133973	55.054	ug/l	99
86) p-Isopropyltoluene	13.53	119	1055495	56.158	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	514904	51.957	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	504853	51.212	ug/l	99
89) n-Butylbenzene	13.85	91	977366	56.247	ug/l	99
90) Hexachloroethane	14.12	117	199709	51.596	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	444242	52.676	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26779	48.215	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	322742	56.463	ug/l	98
94) Hexachlorobutadiene	15.28	225	199197	53.038	ug/l	98
95) Naphthalene	15.41	128	532249	52.047	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	273286	55.329	ug/l	99

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

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