

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071620\
 Data File : VD065969.D
 Acq On : 16 Jul 2020 20:46
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/17/2020 4:43:43 PM

Quant Time: Jul 17 04:51:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	320148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	485375	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	458589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	235545	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	131532	46.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.72%	
35) Dibromofluoromethane	7.91	113	146640	48.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.94%	
50) Toluene-d8	10.34	98	529628	48.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.96%	
62) 4-Bromofluorobenzene	12.63	95	191872	51.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	115424	40.555	ug/l	97
3) Chloromethane	2.20	50	112880	40.008	ug/l	95
4) Vinyl Chloride	2.35	62	103014	39.764	ug/l	100
5) Bromomethane	2.77	94	75339	45.911	ug/l	93
6) Chloroethane	2.92	64	67535	43.611	ug/l	96
7) Trichlorofluoromethane	3.27	101	261548	47.106	ug/l	100
8) Diethyl Ether	3.70	74	80645	52.943	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	161497	48.627	ug/l	99
10) Methyl Iodide	4.30	142	166575	47.738	ug/l	98
11) Tert butyl alcohol	5.22	59	45202	254.028	ug/l	97
12) 1,1-Dichloroethene	4.07	96	152895	49.278	ug/l	96
13) Acrolein	3.92	56	30744	211.800	ug/l	90
14) Allyl chloride	4.71	41	257968	49.062	ug/l	98
15) Acrylonitrile	5.42	53	180050	269.972	ug/l	99
16) Acetone	4.16	43	147945	222.496	ug/l	93
17) Carbon Disulfide	4.41	76	464713	47.007	ug/l	98
18) Methyl Acetate	4.71	43	79311	50.884	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	359363	54.708	ug/l	100
20) Methylene Chloride	4.97	84	222115	62.914	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	181167	51.898	ug/l	92
22) Diisopropyl ether	6.37	45	529943	53.632	ug/l	96
23) Vinyl Acetate	6.31	43	1512524	268.173	ug/l	100
24) 1,1-Dichloroethane	6.27	63	309492	52.527	ug/l	99
25) 2-Butanone	7.21	43	213626	243.132	ug/l	97
26) 2,2-Dichloropropane	7.21	77	254529	49.381	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	202240	53.920	ug/l	98
28) Bromochloromethane	7.55	49	106420	47.812	ug/l	95
29) Tetrahydrofuran	7.56	42	143771	257.326	ug/l	99
30) Chloroform	7.71	83	315300	52.786	ug/l	97
31) Cyclohexane	7.98	56	259203	44.712	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	282982	51.913	ug/l	99
36) 1,1-Dichloropropene	8.11	75	241087	50.292	ug/l	99
37) Ethyl Acetate	7.29	43	102900	51.230	ug/l	98
38) Carbon Tetrachloride	8.10	117	254859	49.601	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	284724	48.378	ug/l	99
40) Benzene	8.35	78	700811	52.918	ug/l	98
41) Methacrylonitrile	7.53	41	61083m	52.379	ug/l	
42) 1,2-Dichloroethane	8.43	62	194613	51.872	ug/l	99
43) Isopropyl Acetate	8.46	43	194359	51.985	ug/l	96
44) Trichloroethene	9.11	130	205224	52.741	ug/l	98
45) 1,2-Dichloropropane	9.39	63	179774	54.692	ug/l	99
46) Dibromomethane	9.47	93	90628	52.959	ug/l	95
47) Bromodichloromethane	9.66	83	246668	53.735	ug/l	99
48) Methyl methacrylate	9.46	41	101543	53.951	ug/l	97
49) 1,4-Dioxane	9.46	88	21000	1032.781	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	506598	268.017	ug/l	100
52) Toluene	10.40	92	456967	54.237	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	233221	54.033	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	280636	53.808	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	131669	55.844	ug/l	97
56) Ethyl methacrylate	10.66	69	160068	55.583	ug/l	99
57) 1,3-Dichloropropane	10.95	76	222744	54.020	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	344323	246.882	ug/l	97
59) 2-Hexanone	10.98	43	335734	258.268	ug/l	98
60) Dibromochloromethane	11.14	129	176350	54.744	ug/l	97
61) 1,2-Dibromoethane	11.25	107	128276	54.567	ug/l	100
64) Tetrachloroethene	10.88	164	175195	52.532	ug/l	96
65) Chlorobenzene	11.67	112	493162	53.364	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	189240	54.749	ug/l	99
67) Ethyl Benzene	11.74	91	865546	52.721	ug/l	98
68) m/p-Xylenes	11.86	106	670259	107.456	ug/l	98
69) o-Xylene	12.18	106	310349	54.619	ug/l	100
70) Styrene	12.20	104	546676	55.734	ug/l	98
71) Bromoform	12.36	173	108895	55.676	ug/l #	99
73) Isopropylbenzene	12.48	105	848063	51.589	ug/l	99
74) N-amyl acetate	12.29	43	186296	50.503	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	140409	51.447	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	93768m	47.456	ug/l	
77) Bromobenzene	12.76	156	213733	53.606	ug/l	98
78) n-propylbenzene	12.82	91	979864	50.841	ug/l	100
79) 2-Chlorotoluene	12.91	91	559159	51.141	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	696598	51.808	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	46172	50.210	ug/l	99
82) 4-Chlorotoluene	13.01	91	584193	50.926	ug/l	99
83) tert-Butylbenzene	13.23	119	599041	52.293	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	702126	52.459	ug/l	100
85) sec-Butylbenzene	13.40	105	827052	50.944	ug/l	99
86) p-Isopropyltoluene	13.52	119	766831	51.642	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	395079	52.954	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	389912	52.385	ug/l	99
89) n-Butylbenzene	13.84	91	697335	50.009	ug/l	99
90) Hexachloroethane	14.11	117	152168	50.818	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	341421	52.358	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21461	47.027	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	248032	53.369	ug/l	98
94) Hexachlorobutadiene	15.27	225	145057	51.599	ug/l	100
95) Naphthalene	15.40	128	412845	52.967	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	214452	53.497	ug/l	98

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

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