

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012420\
 Data File : VD064955.D
 Acq On : 24 Jan 2020 20:59
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 12:03:19 PM

Quant Time: Jan 25 03:39:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	426649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	648586	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	579871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	286680	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	214993	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
35) Dibromofluoromethane	7.92	113	205162	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	10.34	98	789938	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.64	95	248703	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	155362	48.337	ug/l	99
3) Chloromethane	2.21	50	240834	51.124	ug/l	100
4) Vinyl Chloride	2.35	62	266403	49.238	ug/l	100
5) Bromomethane	2.77	94	183365	50.381	ug/l	96
6) Chloroethane	2.92	64	178278	49.980	ug/l	98
7) Trichlorofluoromethane	3.27	101	408286	48.861	ug/l	99
8) Diethyl Ether	3.71	74	93588	49.613	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	184661	47.500	ug/l	99
10) Methyl Iodide	4.29	142	214705	52.030	ug/l	99
11) Tert butyl alcohol	5.25	59	53044	234.549	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	180351	48.561	ug/l	98
13) Acrolein	3.93	56	72883	257.076	ug/l	91
14) Allyl chloride	4.71	41	308576	52.095	ug/l	99
15) Acrylonitrile	5.43	53	213639	261.533	ug/l	99
16) Acetone	4.17	43	164711	164.541	ug/l	100
17) Carbon Disulfide	4.40	76	597502	48.884	ug/l	99
18) Methyl Acetate	4.73	43	98900	51.599	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	448817	54.085	ug/l	97
20) Methylene Chloride	4.96	84	207744	52.525	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	213892	49.988	ug/l	100
22) Diisopropyl ether	6.37	45	629434	53.321	ug/l	99
23) Vinyl Acetate	6.31	43	1873834	271.120	ug/l	99
24) 1,1-Dichloroethane	6.27	63	373284	51.503	ug/l	98
25) 2-Butanone	7.22	43	266713	241.229	ug/l	98
26) 2,2-Dichloropropane	7.21	77	309347	47.055	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	239894	52.528	ug/l	97
28) Bromochloromethane	7.55	49	159171	54.913	ug/l	99
29) Tetrahydrofuran	7.57	42	175432	257.162	ug/l	98
30) Chloroform	7.71	83	386719	51.616	ug/l	98
31) Cyclohexane	7.99	56	322154	45.183	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	349516	50.145	ug/l	100
36) 1,1-Dichloropropene	8.11	75	298956	47.801	ug/l	99
37) Ethyl Acetate	7.31	43	129525	50.138	ug/l	98
38) Carbon Tetrachloride	8.10	117	312050	47.206	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	334562	45.756	ug/l	97
40) Benzene	8.36	78	847622	49.209	ug/l	99
41) Methacrylonitrile	7.54	41	83352m	59.895	ug/l	
42) 1,2-Dichloroethane	8.43	62	252678	49.245	ug/l	98
43) Isopropyl Acetate	8.46	43	251230	51.197	ug/l	99
44) Trichloroethene	9.11	130	237636	49.294	ug/l	100
45) 1,2-Dichloropropane	9.39	63	209985	50.287	ug/l	98
46) Dibromomethane	9.48	93	113176	49.644	ug/l	100
47) Bromodichloromethane	9.67	83	302912	51.062	ug/l	99
48) Methyl methacrylate	9.46	41	117660	52.103	ug/l	98
49) 1,4-Dioxane	9.47	88	25428	961.712	ug/l #	91
51) 4-Methyl-2-Pentanone	10.23	43	630287	256.698	ug/l	99
52) Toluene	10.41	92	551668	49.676	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	281659	49.845	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	336521	50.865	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	152971	49.814	ug/l	98
56) Ethyl methacrylate	10.67	69	195085	53.125	ug/l	99
57) 1,3-Dichloropropane	10.95	76	268972	51.067	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	309486	253.679	ug/l	99
59) 2-Hexanone	10.99	43	424942	250.905	ug/l	98
60) Dibromochloromethane	11.14	129	208221	50.732	ug/l	100
61) 1,2-Dibromoethane	11.25	107	150853	51.017	ug/l	97
64) Tetrachloroethene	10.88	164	196760	46.956	ug/l	98
65) Chlorobenzene	11.67	112	585111	49.697	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	220991	49.910	ug/l	99
67) Ethyl Benzene	11.75	91	1029797	49.268	ug/l	99
68) m/p-Xylenes	11.86	106	803470	99.838	ug/l	99
69) o-Xylene	12.18	106	360404	50.459	ug/l	100
70) Styrene	12.20	104	655085	51.487	ug/l	99
71) Bromoform	12.37	173	124590	50.619	ug/l #	100
73) Isopropylbenzene	12.48	105	959142	48.950	ug/l	100
74) N-amyl acetate	12.30	43	223979	51.083	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	162529	49.352	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	108031m	45.401	ug/l	
77) Bromobenzene	12.77	156	238892	49.829	ug/l	99
78) n-propylbenzene	12.83	91	1122946	48.190	ug/l	99
79) 2-Chlorotoluene	12.91	91	625639	48.942	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	790904	49.255	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	55174	49.511	ug/l	97
82) 4-Chlorotoluene	13.01	91	664675	49.029	ug/l	99
83) tert-Butylbenzene	13.23	119	659055	48.365	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	801832	49.294	ug/l	100
85) sec-Butylbenzene	13.41	105	913947	47.369	ug/l	99
86) p-Isopropyltoluene	13.53	119	870035	48.189	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	451442	49.077	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	440489	48.247	ug/l	99
89) n-Butylbenzene	13.86	91	784846	47.633	ug/l	100
90) Hexachloroethane	14.12	117	162460	46.661	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	384204	49.198	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	24501	46.490	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	260384	48.196	ug/l	99
94) Hexachlorobutadiene	15.28	225	152297	44.566	ug/l	98
95) Naphthalene	15.41	128	450209	51.634	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	228616	48.804	ug/l	98

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

