

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022520\
 Data File : VD065316.D
 Acq On : 25 Feb 2020 18:51
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/26/2020 10:25:43 AM

Quant Time: Feb 26 00:06:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	450426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	662687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	609370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	305702	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	206691	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
35) Dibromofluoromethane	7.92	113	217507	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
50) Toluene-d8	10.34	98	844918	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
62) 4-Bromofluorobenzene	12.64	95	271120	55.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	197375	52.245	ug/l	98
3) Chloromethane	2.21	50	234616	48.791	ug/l	97
4) Vinyl Chloride	2.35	62	236311	48.328	ug/l	99
5) Bromomethane	2.77	94	143815	48.645	ug/l	98
6) Chloroethane	2.93	64	147180	49.312	ug/l	99
7) Trichlorofluoromethane	3.27	101	350946	50.132	ug/l	96
8) Diethyl Ether	3.71	74	115204	54.518	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	224661	50.819	ug/l	99
10) Methyl Iodide	4.29	142	250762	54.631	ug/l	100
11) Tert butyl alcohol	5.24	59	63482	262.175	ug/l	97
12) 1,1-Dichloroethene	4.06	96	215414	51.582	ug/l	99
13) Acrolein	3.93	56	80140	272.873	ug/l	99
14) Allyl chloride	4.71	41	361083	53.244	ug/l	97
15) Acrylonitrile	5.43	53	255298	272.885	ug/l	99
16) Acetone	4.17	43	207539	209.524	ug/l	98
17) Carbon Disulfide	4.40	76	688620	49.184	ug/l	100
18) Methyl Acetate	4.73	43	116932	52.488	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	489268	56.182	ug/l	99
20) Methylene Chloride	4.97	84	250980	57.619	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	251951	53.070	ug/l	96
22) Diisopropyl ether	6.37	45	736422	56.329	ug/l	99
23) Vinyl Acetate	6.31	43	2054190	285.013	ug/l	100
24) 1,1-Dichloroethane	6.27	63	431223	53.178	ug/l	99
25) 2-Butanone	7.22	43	306583	244.634	ug/l	100
26) 2,2-Dichloropropane	7.21	77	354320	50.361	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	275538	54.792	ug/l	97
28) Bromochloromethane	7.56	49	171385	56.969	ug/l	99
29) Tetrahydrofuran	7.57	42	204930	279.083	ug/l	98
30) Chloroform	7.71	83	431083	52.767	ug/l	100
31) Cyclohexane	7.98	56	389221	48.852	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	377120	51.593	ug/l	99
36) 1,1-Dichloropropene	8.11	75	339511	52.654	ug/l	99
37) Ethyl Acetate	7.30	43	144871	53.745	ug/l	99
38) Carbon Tetrachloride	8.10	117	341344	52.003	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	408262	53.857	ug/l	97
40) Benzene	8.36	78	993954	54.613	ug/l	100
41) Methacrylonitrile	7.53	41	76688	49.273	ug/l	96
42) 1,2-Dichloroethane	8.43	62	265280	53.019	ug/l	99
43) Isopropyl Acetate	8.46	43	269092	54.897	ug/l	100
44) Trichloroethene	9.11	130	271959	53.907	ug/l	99
45) 1,2-Dichloropropane	9.40	63	253105	55.928	ug/l	100
46) Dibromomethane	9.48	93	129033	55.415	ug/l	98
47) Bromodichloromethane	9.67	83	333144	54.290	ug/l	99
48) Methyl methacrylate	9.46	41	127987	56.488	ug/l	97
49) 1,4-Dioxane	9.47	88	30599	1120.438	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	701933	281.938	ug/l	99
52) Toluene	10.41	92	638670	56.693	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	316515	55.647	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	386223	56.232	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	181119	55.263	ug/l	97
56) Ethyl methacrylate	10.67	69	225204	59.533	ug/l	98
57) 1,3-Dichloropropane	10.96	76	309560	55.496	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	308174	258.402	ug/l	99
59) 2-Hexanone	10.99	43	484696	271.963	ug/l	97
60) Dibromochloromethane	11.15	129	234380	55.874	ug/l	100
61) 1,2-Dibromoethane	11.25	107	173098	55.783	ug/l	100
64) Tetrachloroethene	10.88	164	228574	52.888	ug/l	96
65) Chlorobenzene	11.68	112	664527	54.342	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	248324	54.417	ug/l	99
67) Ethyl Benzene	11.75	91	1187674	55.455	ug/l	100
68) m/p-Xylenes	11.86	106	919520	112.219	ug/l	98
69) o-Xylene	12.19	106	421554	58.070	ug/l	97
70) Styrene	12.20	104	733910	56.942	ug/l	99
71) Bromoform	12.37	173	138399	54.655	ug/l #	99
73) Isopropylbenzene	12.48	105	1120207	55.349	ug/l	99
74) N-amyl acetate	12.30	43	247423	55.017	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	192174	52.612	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	133786m	51.436	ug/l	
77) Bromobenzene	12.77	156	274660	54.651	ug/l	99
78) n-propylbenzene	12.83	91	1340158	55.102	ug/l	99
79) 2-Chlorotoluene	12.91	91	746150	54.763	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	926429	55.577	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	62195	51.630	ug/l	97
82) 4-Chlorotoluene	13.01	91	784202	54.214	ug/l	99
83) tert-Butylbenzene	13.23	119	773878	55.392	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	927357	55.581	ug/l	100
85) sec-Butylbenzene	13.41	105	1095806	54.432	ug/l	100
86) p-Isopropyltoluene	13.53	119	1016285	55.202	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	521693	53.696	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	511657	53.359	ug/l	100
89) n-Butylbenzene	13.86	91	940061	55.413	ug/l	99
90) Hexachloroethane	14.12	117	199199	53.289	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	449998	53.942	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29999	53.294	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	309115	56.648	ug/l	97
94) Hexachlorobutadiene	15.28	225	184812	52.797	ug/l	99
95) Naphthalene	15.41	128	526050	59.300	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	272876	57.257	ug/l	98

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

