

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030719\
 Data File : VD060971.D
 Acq On : 7 Mar 2019 16:31
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 9:46:25 PM

Quant Time: Mar 08 02:18:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 00:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	747403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1230199	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1068331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	443323	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	310578	50.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.60%	
35) Dibromofluoromethane	6.92	113	473902	48.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.68%	
50) Toluene-d8	10.40	98	1169813	47.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.88%	
62) 4-Bromofluorobenzene	13.55	95	430356	46.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	368920	45.032	ug/l	100
3) Chloromethane	1.77	50	293718	43.340	ug/l	100
4) Vinyl Chloride	1.86	62	290527	47.171	ug/l	100
5) Bromomethane	2.17	94	52843	49.240	ug/l	100
6) Chloroethane	2.28	64	101507	66.156	ug/l	100
7) Trichlorofluoromethane	2.54	101	442242	58.116	ug/l	100
8) Diethyl Ether	2.88	74	144950	45.001	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.16	101	427600	43.387	ug/l	100
10) Methyl Iodide	3.32	142	664202	56.927	ug/l	100
11) Tert butyl alcohol	4.06	59	109879	242.307	ug/l	100
12) 1,1-Dichloroethene	3.13	96	364410	43.599	ug/l	100
13) Acrolein	3.05	56	132270	212.934	ug/l	100
14) Allyl chloride	3.63	41	618306	44.717	ug/l	100
15) Acrylonitrile	4.20	53	342525	200.268	ug/l	100
16) Acetone	3.22	43	457194	226.602	ug/l	100
17) Carbon Disulfide	3.39	76	1269899	42.778	ug/l	100
18) Methyl Acetate	3.65	43	171369	41.347	ug/l	100
19) Methyl tert-butyl Ether	4.24	73	674378	45.360	ug/l	100
20) Methylene Chloride	3.82	84	431713	38.355	ug/l	100
21) trans-1,2-Dichloroethene	4.23	96	412454	44.898	ug/l	100
22) Diisopropyl ether	5.12	45	1317019	45.225	ug/l	100
23) Vinyl Acetate	5.05	43	3278279	214.819	ug/l	100
24) 1,1-Dichloroethane	4.99	63	710756	45.388	ug/l	100
25) 2-Butanone	6.07	43	544904	219.632	ug/l	100
26) 2,2-Dichloropropane	6.02	77	541279	46.513	ug/l	100
27) cis-1,2-Dichloroethene	6.04	96	450705	43.555	ug/l	100
28) Bromochloromethane	6.44	49	297688	45.747	ug/l	100
29) Tetrahydrofuran	6.45	42	292681	225.543	ug/l	100
30) Chloroform	6.67	83	678298	44.765	ug/l	100
31) Cyclohexane	6.95	56	598859	45.066	ug/l	100
32) 1,1,1-Trichloroethane	6.88	97	626098	48.039	ug/l	100
36) 1,1-Dichloropropene	7.14	75	524326	46.482	ug/l	100
37) Ethyl Acetate	6.18	43	249534	43.298	ug/l	100
38) Carbon Tetrachloride	7.11	117	575210m	47.049	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	585480	47.624	ug/l	100
40) Benzene	7.45	78	1421509	48.838	ug/l	100
41) Methacrylonitrile	6.44	41	301431	72.967	ug/l	100
42) 1,2-Dichloroethane	7.57	62	413529	50.190	ug/l	100
43) Isopropyl Acetate	9.23	43	371895	46.371	ug/l	100
44) Trichloroethene	8.54	130	490346	49.649	ug/l	100
45) 1,2-Dichloropropane	8.93	63	366349	47.899	ug/l	100
46) Dibromomethane	9.06	93	230400	47.085	ug/l	100
47) Bromodichloromethane	9.37	83	549822	50.626	ug/l	100
48) Methyl methacrylate	9.11	41	207853	45.841	ug/l	100
49) 1,4-Dioxane	9.07	88	41146	884.166	ug/l	100
51) 4-Methyl-2-Pentanone	10.29	43	1097994	224.224	ug/l	100
52) Toluene	10.50	92	866666	46.785	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	474400	48.078	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	545802	45.097	ug/l	100
55) 1,1,2-Trichloroethane	11.19	97	281328	45.931	ug/l	100
56) Ethyl methacrylate	11.04	69	300756	46.779	ug/l	100
57) 1,3-Dichloropropane	11.40	76	414152	46.773	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	745973	216.702	ug/l	100
59) 2-Hexanone	11.52	43	819187	238.399	ug/l	100
60) Dibromochloromethane	11.68	129	437019	49.386	ug/l	100
61) 1,2-Dibromoethane	11.80	107	345557	48.013	ug/l	100
64) Tetrachloroethene	11.25	164	373978	46.301	ug/l	100
65) Chlorobenzene	12.39	112	1057558	45.201	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	392787	46.409	ug/l	100
67) Ethyl Benzene	12.52	91	1563431	45.673	ug/l	100
68) m/p-Xylenes	12.66	106	1250682	91.108	ug/l	100
69) o-Xylene	13.05	106	587684	46.035	ug/l	100
70) Styrene	13.07	104	963970	45.240	ug/l	100
71) Bromoform	13.23	173	253024	47.503	ug/l	100
73) Isopropylbenzene	13.40	105	1543453	45.553	ug/l	100
74) N-amyl acetate	13.26	43	459847	44.896	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.70	83	313184	44.542	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	327544	45.835	ug/l	100
77) Bromobenzene	13.67	156	418789	47.033	ug/l	100
78) n-propylbenzene	13.77	91	1921809	48.590	ug/l	100
79) 2-Chlorotoluene	13.84	91	953690	43.080	ug/l	100
80) 1,3,5-Trimethylbenzene	14.23	105	1296863	49.537	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	100044	47.491	ug/l	100
82) 4-Chlorotoluene	13.94	91	1259003	50.639	ug/l	100
83) tert-Butylbenzene	14.19	119	1481310	50.828	ug/l	100
84) 1,2,4-Trimethylbenzene	14.23	105	1296863	49.537	ug/l	100
85) sec-Butylbenzene	14.37	105	1520836	44.719	ug/l	100
86) p-Isopropyltoluene	14.49	119	1388298	49.550	ug/l	100
87) 1,3-Dichlorobenzene	14.46	146	737940	48.759	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	704396	47.033	ug/l	100
89) n-Butylbenzene	14.79	91	1294552	49.368	ug/l	100
90) Hexachloroethane	15.01	117	392790	48.624	ug/l	100
91) 1,2-Dichlorobenzene	14.80	146	641940	48.628	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.38	75	39976	48.399	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	303309	40.738	ug/l	100
94) Hexachlorobutadiene	16.03	225	207277	43.552	ug/l	100
95) Naphthalene	16.12	128	411540	35.774	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	125602	31.099	ug/l	100

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

