

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050819\
 Data File : VD062164.D
 Acq On : 8 May 2019 10:18
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/9/2019 11:21:13 AM

Quant Time: May 09 01:42:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	873554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	1213542	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	1042884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	541961	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	470450	57.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.90%	
35) Dibromofluoromethane	6.90	113	555393	55.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.32%	
50) Toluene-d8	10.39	98	1289111	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
62) 4-Bromofluorobenzene	13.54	95	546381	56.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.10%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.56	85	430608	51.540	ug/l	100
3) Chloromethane	1.74	50	281608	46.647	ug/l	94
4) Vinyl Chloride	1.84	62	286036	48.211	ug/l	99
5) Bromomethane	2.14	94	82128	59.076	ug/l	99
6) Chloroethane	2.25	64	134432	53.998	ug/l	98
7) Trichlorofluoromethane	2.52	101	607377	52.657	ug/l	99
8) Diethyl Ether	2.85	74	99765	44.847	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.13	101	416171	47.696	ug/l	94
10) Methyl Iodide	3.29	142	512549	38.866	ug/l #	88
11) Tert butyl alcohol	4.03	59	94048	226.960	ug/l	95
12) 1,1-Dichloroethene	3.11	96	325281	48.836	ug/l	89
13) Acrolein	3.01	56	83852	195.643	ug/l	97
14) Allyl chloride	3.60	41	476976	49.251	ug/l	87
15) Acrylonitrile	4.17	53	243966	223.990	ug/l #	87
16) Acetone	3.20	43	494321	290.360	ug/l #	88
17) Carbon Disulfide	3.36	76	942835	49.207	ug/l	99
18) Methyl Acetate	3.62	43	140118	45.995	ug/l	97
19) Methyl tert-butyl Ether	4.21	73	696578	48.791	ug/l	97
20) Methylene Chloride	3.79	84	339839	47.809	ug/l	93
21) trans-1,2-Dichloroethene	4.19	96	369743	49.885	ug/l	94
22) Diisopropyl ether	5.09	45	1103342	53.537	ug/l	97
23) Vinyl Acetate	5.03	43	3073452	282.659	ug/l	98
24) 1,1-Dichloroethane	4.95	63	611209	49.162	ug/l	97
25) 2-Butanone	6.04	43	560585	301.884	ug/l	95
26) 2,2-Dichloropropane	5.99	77	683020	55.153	ug/l	93
27) cis-1,2-Dichloroethene	6.01	96	441913	53.266	ug/l	99
28) Bromochloromethane	6.41	49	270703	55.343	ug/l	81
29) Tetrahydrofuran	6.43	42	224176	262.008	ug/l	94
30) Chloroform	6.64	83	825569	55.099	ug/l	97
31) Cyclohexane	6.93	56	490784	57.620	ug/l	98
32) 1,1,1-Trichloroethane	6.85	97	789629	55.757	ug/l	99
36) 1,1-Dichloropropene	7.12	75	575184	57.808	ug/l	97
37) Ethyl Acetate	6.15	43	221506	52.494	ug/l #	90
38) Carbon Tetrachloride	7.09	117	813126m	59.044	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	565581	59.327	ug/l	96
40) Benzene	7.43	78	1300128	57.866	ug/l	100
41) Methacrylonitrile	6.41	41	281743	54.638	ug/l #	90
42) 1,2-Dichloroethane	7.55	62	546261	57.384	ug/l	95
43) Isopropyl Acetate	9.22	43	322016	53.810	ug/l #	96
44) Trichloroethene	8.51	130	469470	54.835	ug/l	82
45) 1,2-Dichloropropane	8.92	63	329441	59.279	ug/l	99
46) Dibromomethane	9.04	93	251488	55.648	ug/l #	88
47) Bromodichloromethane	9.36	83	602935	54.543	ug/l	98
48) Methyl methacrylate	9.09	41	198506	53.852	ug/l	94
49) 1,4-Dioxane	9.06	88	42847	1077.331	ug/l	95
51) 4-Methyl-2-Pentanone	10.28	43	1052155	273.515	ug/l	97
52) Toluene	10.49	92	779343	53.312	ug/l	100
53) t-1,3-Dichloropropene	10.89	75	569020	59.558	ug/l	97
54) cis-1,3-Dichloropropene	10.02	75	583475	55.981	ug/l	94
55) 1,1,2-Trichloroethane	11.17	97	267950	51.804	ug/l	95
56) Ethyl methacrylate	11.02	69	306356	56.998	ug/l #	90
57) 1,3-Dichloropropane	11.39	76	413529	52.920	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.83	63	834527	284.244	ug/l	98
59) 2-Hexanone	11.51	43	846916	298.711	ug/l	94
60) Dibromochloromethane	11.67	129	490724	54.897	ug/l	99
61) 1,2-Dibromoethane	11.79	107	327327	52.052	ug/l	96
64) Tetrachloroethene	11.24	164	416047	51.018	ug/l	93
65) Chlorobenzene	12.38	112	990070	50.971	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	451727	53.436	ug/l	95
67) Ethyl Benzene	12.51	91	1716414	52.782	ug/l	98
68) m/p-Xylenes	12.66	106	1187120	100.339	ug/l	94
69) o-Xylene	13.04	106	619117	56.287	ug/l	96
70) Styrene	13.06	104	1015438	54.497	ug/l	98
71) Bromoform	13.22	173	312052	53.057	ug/l	99
73) Isopropylbenzene	13.39	105	1756891	54.080	ug/l	98
74) N-amyl acetate	13.26	43	452331	53.107	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	322337	52.411	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	336593	52.260	ug/l	98
77) Bromobenzene	13.66	156	477276	52.481	ug/l	98
78) n-propylbenzene	13.76	91	2127300	54.894	ug/l	94
79) 2-Chlorotoluene	13.83	91	1210670	54.548	ug/l	92
80) 1,3,5-Trimethylbenzene	13.92	105	1524232	55.717	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.46	75	92499	50.872	ug/l	85
82) 4-Chlorotoluene	13.93	91	1395016	53.413	ug/l	87
83) tert-Butylbenzene	14.18	119	1651570	53.712	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	1521471	55.422	ug/l	94
85) sec-Butylbenzene	14.36	105	1634863	48.494	ug/l	97
86) p-Isopropyltoluene	14.48	119	1483396	49.249	ug/l	91
87) 1,3-Dichlorobenzene	14.45	146	864419	52.033	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	844743	51.750	ug/l	98
89) n-Butylbenzene	14.79	91	1422089	52.601	ug/l	97
90) Hexachloroethane	15.00	117	442612	54.035	ug/l	80
91) 1,2-Dichlorobenzene	14.80	146	677703	49.533	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	52159	51.665	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	508914	51.103	ug/l	96
94) Hexachlorobutadiene	16.03	225	379864	51.286	ug/l	99
95) Naphthalene	16.11	128	671769	48.318	ug/l	100
96) 1,2,3-Trichlorobenzene	16.26	180	320992	51.266	ug/l	97

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

