

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062319.D
 Acq On : 13 May 2019 22:49
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 9:50:46 AM

Quant Time: May 14 06:09:20 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	7.06	168	648073	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	897854	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	695453	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	384218	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	316401	52.54	ug/l	0.04
Spiked Amount 50.000			Recovery	=	105.08%	
35) Dibromofluoromethane	6.94	113	371345	49.85	ug/l	0.05
Spiked Amount 50.000			Recovery	=	99.70%	
50) Toluene-d8	10.43	98	752798	41.91	ug/l	0.03
Spiked Amount 50.000			Recovery	=	83.82%	
62) 4-Bromofluorobenzene	13.56	95	313542	43.47	ug/l	0.02
Spiked Amount 50.000			Recovery	=	86.94%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.58	85	293460	47.346	ug/l	99
3) Chloromethane	1.76	50	185592	41.439	ug/l	99
4) Vinyl Chloride	1.85	62	204527	46.467	ug/l	94
5) Bromomethane	2.16	94	77708	75.345	ug/l	96
6) Chloroethane	2.27	64	109513	59.294	ug/l	95
7) Trichlorofluoromethane	2.54	101	528081	61.711	ug/l	97
8) Diethyl Ether	2.88	74	66085	40.043	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.16	101	310792	48.011	ug/l	94
10) Methyl Iodide	3.31	142	412312	42.143	ug/l #	82
11) Tert butyl alcohol	4.09	59	76251	248.034	ug/l	95
12) 1,1-Dichloroethene	3.13	96	240243	48.618	ug/l	84
13) Acrolein	3.04	56	57614	181.194	ug/l	88
14) Allyl chloride	3.64	41	350937	48.844	ug/l #	83
15) Acrylonitrile	4.21	53	177481	219.642	ug/l #	80
16) Acetone	3.23	43	281224	222.662	ug/l #	83
17) Carbon Disulfide	3.39	76	594720	41.838	ug/l	99
18) Methyl Acetate	3.65	43	112774	49.924	ug/l	93
19) Methyl tert-butyl Ether	4.26	73	507805	47.944	ug/l	97
20) Methylene Chloride	3.82	84	265033	50.257	ug/l	88
21) trans-1,2-Dichloroethene	4.23	96	257620	46.851	ug/l	88
22) Diisopropyl ether	5.14	45	732279	47.895	ug/l	96
23) Vinyl Acetate	5.07	43	2199347	272.644	ug/l	97
24) 1,1-Dichloroethane	5.00	63	471553	51.126	ug/l	98
25) 2-Butanone	6.09	43	336078	243.952	ug/l	98
26) 2,2-Dichloropropane	6.04	77	491108	53.453	ug/l	88
27) cis-1,2-Dichloroethene	6.06	96	304338	49.447	ug/l	98
28) Bromochloromethane	6.45	49	220024	60.633	ug/l	82
29) Tetrahydrofuran	6.47	42	142501	224.496	ug/l	97
30) Chloroform	6.68	83	618018	55.598	ug/l	99
31) Cyclohexane	6.97	56	300291	47.522	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	626630	59.642	ug/l	97
36) 1,1-Dichloropropene	7.16	75	385022	52.302	ug/l	95
37) Ethyl Acetate	6.20	43	153670	49.223	ug/l #	89
38) Carbon Tetrachloride	7.13	117	579535m	56.878	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	337967	47.916	ug/l	94
40) Benzene	7.47	78	795824	47.874	ug/l	99
41) Methacrylonitrile	6.46	41	194400	50.955	ug/l #	86
42) 1,2-Dichloroethane	7.59	62	406342	57.694	ug/l	91
43) Isopropyl Acetate	9.25	43	207430	46.849	ug/l	93
44) Trichloroethene	8.56	130	312583	49.347	ug/l	84
45) 1,2-Dichloropropane	8.95	63	198794	48.348	ug/l	94
46) Dibromomethane	9.08	93	175703	52.548	ug/l	93
47) Bromodichloromethane	9.39	83	452727	55.355	ug/l	98
48) Methyl methacrylate	9.14	41	141723	51.966	ug/l	87
49) 1,4-Dioxane	9.10	88	26536	901.806	ug/l #	92
51) 4-Methyl-2-Pentanone	10.32	43	749208	263.240	ug/l	91
52) Toluene	10.52	92	520386	48.114	ug/l	97
53) t-1,3-Dichloropropene	10.93	75	361282	51.110	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	390936	50.696	ug/l #	84
55) 1,1,2-Trichloroethane	11.20	97	192151	50.211	ug/l	96
56) Ethyl methacrylate	11.06	69	190476	47.898	ug/l #	78
57) 1,3-Dichloropropane	11.42	76	279468	48.339	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.87	63	601261	276.798	ug/l	100
59) 2-Hexanone	11.55	43	509020	242.658	ug/l	90
60) Dibromochloromethane	11.69	129	345389	52.224	ug/l	99
61) 1,2-Dibromoethane	11.81	107	238394	51.239	ug/l	93
64) Tetrachloroethene	11.27	164	277076	50.950	ug/l	98
65) Chlorobenzene	12.40	112	645923	49.867	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	307292	54.510	ug/l	95
67) Ethyl Benzene	12.53	91	1170464	53.975	ug/l	94
68) m/p-Xylenes	12.68	106	810343	102.710	ug/l	87
69) o-Xylene	13.05	106	372196	50.743	ug/l	79
70) Styrene	13.08	104	651873	52.463	ug/l	96
71) Bromoform	13.24	173	224694	57.289	ug/l	97
73) Isopropylbenzene	13.41	105	1123539	48.783	ug/l	95
74) N-amyl acetate	13.27	43	296637	49.126	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	211522	48.513	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	222588	48.748	ug/l	99
77) Bromobenzene	13.67	156	303236	47.033	ug/l	86
78) n-propylbenzene	13.78	91	1369303	49.841	ug/l	97
79) 2-Chlorotoluene	13.85	91	821713	52.223	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	989110	51.000	ug/l	91
81) trans-1,4-Dichloro-2-buten	13.48	75	63144	48.985	ug/l #	66
82) 4-Chlorotoluene	13.95	91	922398	49.817	ug/l	79
83) tert-Butylbenzene	14.19	119	1095560	50.258	ug/l	89
84) 1,2,4-Trimethylbenzene	14.24	105	1033430	53.100	ug/l	91
85) sec-Butylbenzene	14.37	105	1129332	47.251	ug/l	96
86) p-Isopropyltoluene	14.50	119	1015115	47.538	ug/l	94
87) 1,3-Dichlorobenzene	14.46	146	543510	46.148	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	556542	48.092	ug/l	99
89) n-Butylbenzene	14.80	91	996097	51.971	ug/l	96
90) Hexachloroethane	15.01	117	296587	51.073	ug/l	89
91) 1,2-Dichlorobenzene	14.81	146	506037	52.171	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	41211	57.580	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	404569	57.304	ug/l	95
94) Hexachlorobutadiene	16.04	225	289054	55.048	ug/l	100
95) Naphthalene	16.13	128	526579	53.424	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	296170	66.722	ug/l	94

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

