

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051019\
 Data File : VD062221.D
 Acq On : 10 May 2019 17:54
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 4:04:05 AM

Quant Time: May 11 00:12:38 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	7.04	168	601426	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	838522	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	671670	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	385214	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	342992	61.37	ug/l	0.02
Spiked Amount 50.000			Recovery	=	122.74%	
35) Dibromofluoromethane	6.92	113	389239	55.95	ug/l	0.02
Spiked Amount 50.000			Recovery	=	111.90%	
50) Toluene-d8	10.41	98	900918	53.71	ug/l	0.01
Spiked Amount 50.000			Recovery	=	107.42%	
62) 4-Bromofluorobenzene	13.56	95	388825	57.72	ug/l	0.01
Spiked Amount 50.000			Recovery	=	115.44%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.57	85	282053	49.035	ug/l	96
3) Chloromethane	1.74	50	180715	43.479	ug/l	99
4) Vinyl Chloride	1.85	62	197406	48.327	ug/l	95
5) Bromomethane	2.14	94	78046	81.542	ug/l	99
6) Chloroethane	2.26	64	102399	59.742	ug/l	100
7) Trichlorofluoromethane	2.53	101	482816	60.797	ug/l	99
8) Diethyl Ether	2.87	74	58839	38.417	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.14	101	294717	49.059	ug/l	98
10) Methyl Iodide	3.29	142	383268	42.213	ug/l #	82
11) Tert butyl alcohol	4.07	59	66850	234.319	ug/l #	93
12) 1,1-Dichloroethene	3.13	96	211975	46.224	ug/l	95
13) Acrolein	3.02	56	60557	205.221	ug/l #	80
14) Allyl chloride	3.61	41	310772	46.609	ug/l #	83
15) Acrylonitrile	4.19	53	175466	233.991	ug/l	92
16) Acetone	3.22	43	312601	266.702	ug/l #	84
17) Carbon Disulfide	3.36	76	618349	46.874	ug/l	99
18) Methyl Acetate	3.64	43	97751	46.610	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	525445	53.457	ug/l	96
20) Methylene Chloride	3.81	84	235465	48.113	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	267341	52.390	ug/l	92
22) Diisopropyl ether	5.11	45	737996	52.013	ug/l	94
23) Vinyl Acetate	5.06	43	2082828	278.226	ug/l #	95
24) 1,1-Dichloroethane	4.98	63	440080	51.414	ug/l	98
25) 2-Butanone	6.07	43	330187	258.265	ug/l	97
26) 2,2-Dichloropropane	6.02	77	448176	52.564	ug/l	93
27) cis-1,2-Dichloroethene	6.03	96	278414	48.743	ug/l	96
28) Bromochloromethane	6.43	49	194191	57.664	ug/l	89
29) Tetrahydrofuran	6.45	42	146468	248.642	ug/l	97
30) Chloroform	6.66	83	561756	54.456	ug/l	97
31) Cyclohexane	6.95	56	273636	46.662	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	515279	52.847	ug/l	98
36) 1,1-Dichloropropene	7.14	75	359758	52.328	ug/l	96
37) Ethyl Acetate	6.18	43	155105	53.198	ug/l #	90
38) Carbon Tetrachloride	7.10	117	542621m	57.024	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	320254	48.618	ug/l	92
40) Benzene	7.45	78	778481	50.145	ug/l	97
41) Methacrylonitrile	6.44	41	193269	54.243	ug/l #	85
42) 1,2-Dichloroethane	7.57	62	388178	59.015	ug/l	92
43) Isopropyl Acetate	9.24	43	204625	49.486	ug/l #	96
44) Trichloroethene	8.54	130	300388	50.777	ug/l	85
45) 1,2-Dichloropropane	8.94	63	176981	46.088	ug/l	99
46) Dibromomethane	9.06	93	173442	55.542	ug/l	87
47) Bromodichloromethane	9.38	83	441393	57.788	ug/l	98
48) Methyl methacrylate	9.12	41	131570	51.657	ug/l	86
49) 1,4-Dioxane	9.08	88	26814	975.732	ug/l #	85
51) 4-Methyl-2-Pentanone	10.30	43	681734	256.482	ug/l	91
52) Toluene	10.51	92	518983	51.379	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	376344	57.009	ug/l	96
54) cis-1,3-Dichloropropene	10.04	75	386713	53.697	ug/l #	90
55) 1,1,2-Trichloroethane	11.19	97	183733	51.409	ug/l	98
56) Ethyl methacrylate	11.04	69	184210	49.600	ug/l #	83
57) 1,3-Dichloropropane	11.40	76	293242	54.310	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	536694	264.556	ug/l	94
59) 2-Hexanone	11.53	43	518163	264.495	ug/l	90
60) Dibromochloromethane	11.69	129	338482	54.801	ug/l	98
61) 1,2-Dibromoethane	11.81	107	226137	52.044	ug/l	93
64) Tetrachloroethene	11.26	164	279227	53.164	ug/l	98
65) Chlorobenzene	12.40	112	664903	53.149	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	319405	58.665	ug/l	94
67) Ethyl Benzene	12.52	91	1203917	57.484	ug/l	98
68) m/p-Xylenes	12.67	106	795696	104.425	ug/l	93
69) o-Xylene	13.05	106	358165	50.559	ug/l	82
70) Styrene	13.08	104	631280	52.605	ug/l	98
71) Bromoform	13.23	173	226226	59.722	ug/l #	98
73) Isopropylbenzene	13.40	105	1093499	47.356	ug/l	97
74) N-amyl acetate	13.26	43	294312	48.615	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	215236	49.237	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	230203	50.285	ug/l	96
77) Bromobenzene	13.67	156	347331	53.733	ug/l	87
78) n-propylbenzene	13.77	91	1352883	49.116	ug/l	97
79) 2-Chlorotoluene	13.84	91	838242	53.136	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	1009618	51.923	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.47	75	59244	45.841	ug/l #	69
82) 4-Chlorotoluene	13.94	91	961479	51.793	ug/l	81
83) tert-Butylbenzene	14.19	119	1167885	53.437	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	1008417	51.681	ug/l	91
85) sec-Butylbenzene	14.37	105	1213661	50.648	ug/l	96
86) p-Isopropyltoluene	14.49	119	1175400	54.902	ug/l	94
87) 1,3-Dichlorobenzene	14.45	146	603701	51.126	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	560159	48.280	ug/l	94
89) n-Butylbenzene	14.80	91	1006251	52.365	ug/l	95
90) Hexachloroethane	15.00	117	301996	51.870	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	507552	52.192	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	39598	55.183	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	432751	61.138	ug/l	96
94) Hexachlorobutadiene	16.04	225	289338	54.959	ug/l	98
95) Naphthalene	16.13	128	572260	57.909	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	348994	78.418	ug/l	94

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

