

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052019\
 Data File : VD062457.D
 Acq On : 20 May 2019 15:44
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 4:49:03 AM

Quant Time: May 21 03:34:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 20 16:04:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	684898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	960494	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	812887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	420314	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	374192	58.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.58%	
35) Dibromofluoromethane	6.94	113	446526	56.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.06%	
50) Toluene-d8	10.43	98	960355	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	13.57	95	425079	55.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	322043	49.163	ug/l	99
3) Chloromethane	1.75	50	217878	46.032	ug/l	92
4) Vinyl Chloride	1.86	62	240837	51.774	ug/l	100
5) Bromomethane	2.15	94	104518	95.891	ug/l	95
6) Chloroethane	2.28	64	123413	63.227	ug/l	95
7) Trichlorofluoromethane	2.53	101	579374	64.065	ug/l	99
8) Diethyl Ether	2.88	74	74009	42.433	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.15	101	343111	50.154	ug/l #	92
10) Methyl Iodide	3.31	142	516126	49.918	ug/l #	84
11) Tert butyl alcohol	4.10	59	83920	258.302	ug/l	96
12) 1,1-Dichloroethene	3.13	96	255284	48.884	ug/l #	81
13) Acrolein	3.05	56	66082	196.651	ug/l	91
14) Allyl chloride	3.63	41	352617	46.439	ug/l #	76
15) Acrylonitrile	4.22	53	180446	211.305	ug/l #	85
16) Acetone	3.23	43	346290	259.437	ug/l #	79
17) Carbon Disulfide	3.38	76	762619	50.764	ug/l	98
18) Methyl Acetate	3.66	43	106535	40.693	ug/l	95
19) Methyl tert-butyl Ether	4.25	73	562285	50.233	ug/l	93
20) Methylene Chloride	3.82	84	287386	51.566	ug/l	93
21) trans-1,2-Dichloroethene	4.23	96	287517	49.477	ug/l	92
22) Diisopropyl ether	5.14	45	784372	48.544	ug/l	90
23) Vinyl Acetate	5.07	43	2458292	288.359	ug/l	97
24) 1,1-Dichloroethane	5.00	63	486402	49.900	ug/l	97
25) 2-Butanone	6.09	43	348437	239.324	ug/l	91
26) 2,2-Dichloropropane	6.04	77	556777	57.343	ug/l	93
27) cis-1,2-Dichloroethene	6.06	96	317693	48.841	ug/l	89
28) Bromochloromethane	6.45	49	182913	47.696	ug/l	86
29) Tetrahydrofuran	6.48	42	160117	238.686	ug/l	98
30) Chloroform	6.68	83	657983	56.011	ug/l	97
31) Cyclohexane	6.97	56	357094	53.473	ug/l	94
32) 1,1,1-Trichloroethane	6.89	97	689947	62.138	ug/l	99
36) 1,1-Dichloropropene	7.17	75	441133	56.016	ug/l	95
37) Ethyl Acetate	6.21	43	175598	52.578	ug/l #	90
38) Carbon Tetrachloride	7.13	117	670650m	61.528	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	365354	48.421	ug/l	94
40) Benzene	7.47	78	897307	50.459	ug/l	98
41) Methacrylonitrile	6.47	41	225226	55.185	ug/l #	83
42) 1,2-Dichloroethane	7.59	62	469658	62.335	ug/l	90
43) Isopropyl Acetate	9.26	43	233051	49.203	ug/l #	97
44) Trichloroethene	8.56	130	370829	54.724	ug/l	87
45) 1,2-Dichloropropane	8.95	63	212661	48.347	ug/l	99
46) Dibromomethane	9.08	93	198198	55.410	ug/l #	85
47) Bromodichloromethane	9.39	83	519599	59.388	ug/l	99
48) Methyl methacrylate	9.14	41	166802	57.173	ug/l #	84
49) 1,4-Dioxane	9.10	88	30129	957.135	ug/l #	88
51) 4-Methyl-2-Pentanone	10.32	43	781871	256.801	ug/l	92
52) Toluene	10.53	92	613681	53.039	ug/l	100
53) t-1,3-Dichloropropene	10.93	75	419132	55.428	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	462332	56.045	ug/l #	86
55) 1,1,2-Trichloroethane	11.20	97	198077	48.384	ug/l	97
56) Ethyl methacrylate	11.06	69	222899	52.396	ug/l #	76
57) 1,3-Dichloropropane	11.42	76	314644	50.874	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.88	63	525188	226.009	ug/l	98
59) 2-Hexanone	11.55	43	583850	260.179	ug/l	92
60) Dibromochloromethane	11.70	129	409666	57.903	ug/l	95
61) 1,2-Dibromoethane	11.81	107	260059	52.250	ug/l	97
64) Tetrachloroethene	11.27	164	344404	54.182	ug/l	95
65) Chlorobenzene	12.40	112	740555	48.913	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	356434	54.093	ug/l	95
67) Ethyl Benzene	12.53	91	1329288	52.443	ug/l	97
68) m/p-Xylenes	12.68	106	968385	105.010	ug/l	90
69) o-Xylene	13.05	106	445952	52.015	ug/l	82
70) Styrene	13.08	104	747981	51.501	ug/l	94
71) Bromoform	13.24	173	235752	51.425	ug/l	98
73) Isopropylbenzene	13.41	105	1380028	54.774	ug/l	96
74) N-amyl acetate	13.27	43	317444	48.057	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	227157	47.625	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	241168	48.281	ug/l	98
77) Bromobenzene	13.67	156	376072	53.321	ug/l	84
78) n-propylbenzene	13.78	91	1423186	47.353	ug/l	96
79) 2-Chlorotoluene	13.85	91	861424	50.045	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	1156848	54.527	ug/l	92
81) trans-1,4-Dichloro-2-buten	13.48	75	67280	47.711	ug/l #	54
82) 4-Chlorotoluene	13.96	91	1066958	52.675	ug/l	94
83) tert-Butylbenzene	14.20	119	1251923	52.499	ug/l	90
84) 1,2,4-Trimethylbenzene	14.25	105	1158603	54.419	ug/l	90
85) sec-Butylbenzene	14.37	105	1297254	49.616	ug/l	96
86) p-Isopropyltoluene	14.50	119	1220361	52.242	ug/l	94
87) 1,3-Dichlorobenzene	14.46	146	684045	53.092	ug/l	97
88) 1,4-Dichlorobenzene	14.55	146	630901	49.836	ug/l	95
89) n-Butylbenzene	14.81	91	1125694	53.689	ug/l	95
90) Hexachloroethane	15.01	117	327088	51.489	ug/l	93
91) 1,2-Dichlorobenzene	14.82	146	523239	49.312	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	45982	58.729	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	454468	58.844	ug/l	97
94) Hexachlorobutadiene	16.05	225	317530	55.277	ug/l	100
95) Naphthalene	16.13	128	621084	57.601	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	370723	76.345	ug/l	96

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

