

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
 Data File : VD063925.D
 Acq On : 10 Oct 2019 22:17
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 10:24:21 AM

Quant Time: Oct 11 08:37:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	169373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	277365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	282242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	159323	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	88276	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
35) Dibromofluoromethane	7.92	113	89677	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
50) Toluene-d8	10.34	98	357239	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.64	95	119354	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	47536	39.575	ug/l	96
3) Chloromethane	2.21	50	167205	51.681	ug/l	99
4) Vinyl Chloride	2.35	62	181838	46.839	ug/l	99
5) Bromomethane	2.77	94	122281	48.995	ug/l	93
6) Chloroethane	2.93	64	123854	48.241	ug/l	93
7) Trichlorofluoromethane	3.27	101	253425	49.374	ug/l	97
8) Diethyl Ether	3.71	74	41474	50.342	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	67079	47.212	ug/l	95
10) Methyl Iodide	4.29	142	91237	46.603	ug/l	99
11) Tert butyl alcohol	5.25	59	28687	250.429	ug/l	97
12) 1,1-Dichloroethene	4.06	96	62615	44.111	ug/l	99
13) Acrolein	3.92	56	21497	145.964	ug/l	99
14) Allyl chloride	4.71	41	113315	48.015	ug/l	99
15) Acrylonitrile	5.43	53	96310	265.155	ug/l	97
16) Acetone	4.17	43	90173	210.038	ug/l	99
17) Carbon Disulfide	4.40	76	221859	42.996	ug/l	98
18) Methyl Acetate	4.73	43	47569	56.650	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	184494	50.192	ug/l	99
20) Methylene Chloride	4.97	84	95400	50.085	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	86321	48.849	ug/l	93
22) Diisopropyl ether	6.37	45	253211	52.535	ug/l	96
23) Vinyl Acetate	6.31	43	733766	255.912	ug/l	98
24) 1,1-Dichloroethane	6.26	63	151671	51.088	ug/l	98
25) 2-Butanone	7.23	43	120497	236.832	ug/l	98
26) 2,2-Dichloropropane	7.21	77	119794	44.606	ug/l	95
27) cis-1,2-Dichloroethene	7.21	96	103577	51.785	ug/l	95
28) Bromochloromethane	7.56	49	67954	59.825	ug/l	98
29) Tetrahydrofuran	7.57	42	79144	266.505	ug/l	95
30) Chloroform	7.71	83	162529	50.404	ug/l	94
31) Cyclohexane	7.98	56	125680	51.307	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	136973	49.520	ug/l	98
36) 1,1-Dichloropropene	8.11	75	120383	47.469	ug/l	98
37) Ethyl Acetate	7.30	43	54415	53.815	ug/l	97
38) Carbon Tetrachloride	8.10	117	124902	48.738	ug/l #	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	144169	46.235	ug/l	91
40) Benzene	8.36	78	365328	50.269	ug/l	99
41) Methacrylonitrile	7.54	41	29277	49.794	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	103225	49.103	ug/l	99
43) Isopropyl Acetate	8.46	43	101701	47.819	ug/l	98
44) Trichloroethene	9.11	130	101402	48.387	ug/l	97
45) 1,2-Dichloropropane	9.39	63	91904	51.666	ug/l	99
46) Dibromomethane	9.48	93	52475	51.798	ug/l	96
47) Bromodichloromethane	9.67	83	131470	50.405	ug/l	97
48) Methyl methacrylate	9.46	41	48776	47.866	ug/l	97
49) 1,4-Dioxane	9.47	88	13606	983.929	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	275897	250.133	ug/l	96
52) Toluene	10.41	92	259528	52.020	ug/l	95
53) t-1,3-Dichloropropene	10.62	75	128031	50.303	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	148560	50.707	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	74400	52.014	ug/l	97
56) Ethyl methacrylate	10.66	69	91513	50.521	ug/l	96
57) 1,3-Dichloropropane	10.95	76	126719	51.778	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	211978	272.253	ug/l	99
59) 2-Hexanone	10.99	43	193505	242.524	ug/l	98
60) Dibromochloromethane	11.14	129	99369	53.360	ug/l	97
61) 1,2-Dibromoethane	11.25	107	74914	54.023	ug/l	97
64) Tetrachloroethene	10.88	164	94389	48.987	ug/l	98
65) Chlorobenzene	11.67	112	288040	50.817	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	107954	51.687	ug/l	98
67) Ethyl Benzene	11.75	91	507479	49.652	ug/l	100
68) m/p-Xylenes	11.86	106	397989	100.884	ug/l	100
69) o-Xylene	12.18	106	193122	51.124	ug/l	95
70) Styrene	12.20	104	329350	51.503	ug/l	98
71) Bromoform	12.36	173	59762	53.317	ug/l #	99
73) Isopropylbenzene	12.48	105	501226	46.798	ug/l	100
74) N-amyl acetate	12.29	43	100909	43.760	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	87856	47.139	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	47463m	44.478	ug/l	
77) Bromobenzene	12.76	156	127660	47.841	ug/l	96
78) n-propylbenzene	12.83	91	585783	46.595	ug/l	99
79) 2-Chlorotoluene	12.91	91	324017	46.742	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	418887	46.879	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	24633	40.849	ug/l	91
82) 4-Chlorotoluene	13.01	91	338068	45.973	ug/l	98
83) tert-Butylbenzene	13.23	119	366872	46.134	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	432239	46.922	ug/l	99
85) sec-Butylbenzene	13.40	105	504569	46.983	ug/l	100
86) p-Isopropyltoluene	13.52	119	490276	48.244	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	260115	49.334	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	253060	48.650	ug/l	97
89) n-Butylbenzene	13.84	91	435380	46.026	ug/l	99
90) Hexachloroethane	14.11	117	87740	48.004	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	226620	49.875	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13965	48.134	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	160999	45.921	ug/l	99
94) Hexachlorobutadiene	15.27	225	92758	47.943	ug/l	97
95) Naphthalene	15.40	128	292535	49.643	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	145080	47.961	ug/l	99

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

