

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
 Data File : VD063963.D
 Acq On : 15 Oct 2019 10:48
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:41:39 AM

Quant Time: Oct 16 02:20:26 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	210300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	327573	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	323413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	177005	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	89391	43.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.32%	
35) Dibromofluoromethane	7.92	113	95502	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
50) Toluene-d8	10.34	98	400388	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.63	95	134326	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	76010	50.966	ug/l	97
3) Chloromethane	2.21	50	213094	53.174	ug/l	99
4) Vinyl Chloride	2.35	62	255323	52.969	ug/l	100
5) Bromomethane	2.77	94	150463	48.554	ug/l	92
6) Chloroethane	2.93	64	164740	51.679	ug/l	95
7) Trichlorofluoromethane	3.27	101	350560	55.007	ug/l	98
8) Diethyl Ether	3.71	74	48516	47.429	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	98948	56.089	ug/l	94
10) Methyl Iodide	4.29	142	124306	51.137	ug/l	99
11) Tert butyl alcohol	5.24	59	28854m	201.293	ug/l	
12) 1,1-Dichloroethene	4.06	96	92938	52.731	ug/l	95
13) Acrolein	3.93	56	39578	216.434	ug/l	93
14) Allyl chloride	4.71	41	141953	48.444	ug/l	97
15) Acrylonitrile	5.43	53	109731	243.311	ug/l	98
16) Acetone	4.16	43	138142	259.150	ug/l	91
17) Carbon Disulfide	4.40	76	311502	48.620	ug/l	97
18) Methyl Acetate	4.73	43	49669	47.640	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	221559	48.545	ug/l	97
20) Methylene Chloride	4.96	84	118396	50.060	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	117274	53.450	ug/l	92
22) Diisopropyl ether	6.36	45	293984	49.124	ug/l	90
23) Vinyl Acetate	6.31	43	870627	244.551	ug/l	98
24) 1,1-Dichloroethane	6.27	63	191278	51.890	ug/l	98
25) 2-Butanone	7.22	43	152946	242.106	ug/l	93
26) 2,2-Dichloropropane	7.21	77	174939	52.463	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	131056	52.772	ug/l	95
28) Bromochloromethane	7.54	49	72420	51.613	ug/l	95
29) Tetrahydrofuran	7.57	42	82029	222.464	ug/l	99
30) Chloroform	7.71	83	206977	51.697	ug/l	92
31) Cyclohexane	7.98	56	179293	59.595	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	186422	54.281	ug/l	98
36) 1,1-Dichloropropene	8.11	75	162512	54.260	ug/l	98
37) Ethyl Acetate	7.30	43	57845	48.006	ug/l	98
38) Carbon Tetrachloride	8.10	117	171231	56.574	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	209489	56.886	ug/l	91
40) Benzene	8.36	78	464297	54.095	ug/l	98
41) Methacrylonitrile	7.53	41	27673	39.852	ug/l	97
42) 1,2-Dichloroethane	8.43	62	124678	50.217	ug/l	100
43) Isopropyl Acetate	8.46	43	113683	45.260	ug/l	97
44) Trichloroethene	9.11	130	133588	53.975	ug/l	96
45) 1,2-Dichloropropane	9.39	63	107755	51.292	ug/l	90
46) Dibromomethane	9.48	93	61312	51.245	ug/l	97
47) Bromodichloromethane	9.67	83	158174	51.349	ug/l	94
48) Methyl methacrylate	9.46	41	52380	43.524	ug/l	93
49) 1,4-Dioxane	9.46	88	15258	934.274	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	307870	236.338	ug/l	99
52) Toluene	10.40	92	313920	53.278	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	155312	51.669	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	182551	52.759	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	86227	51.042	ug/l	95
56) Ethyl methacrylate	10.66	69	105041	49.101	ug/l	93
57) 1,3-Dichloropropane	10.95	76	145678	50.401	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	211935	230.477	ug/l	98
59) 2-Hexanone	10.99	43	231135	245.285	ug/l	98
60) Dibromochloromethane	11.14	129	114397	52.014	ug/l	97
61) 1,2-Dibromoethane	11.25	107	83762	51.145	ug/l	100
64) Tetrachloroethene	10.88	164	123324	55.857	ug/l	94
65) Chlorobenzene	11.67	112	360584	55.517	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	132111	55.201	ug/l	97
67) Ethyl Benzene	11.74	91	649140	55.426	ug/l	97
68) m/p-Xylenes	11.86	106	515891	114.123	ug/l	97
69) o-Xylene	12.18	106	239096	55.237	ug/l	95
70) Styrene	12.20	104	403882	55.118	ug/l	99
71) Bromoform	12.36	173	70875	55.182	ug/l #	100
73) Isopropylbenzene	12.48	105	654185	54.977	ug/l	97
74) N-amyl acetate	12.29	43	116809	45.594	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	99701	48.151	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	65148m	54.953	ug/l	
77) Bromobenzene	12.77	156	157369	53.083	ug/l	95
78) n-propylbenzene	12.82	91	782373	56.015	ug/l	100
79) 2-Chlorotoluene	12.91	91	412305	53.536	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	550573	55.461	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	31154	46.502	ug/l	99
82) 4-Chlorotoluene	13.01	91	419170	51.308	ug/l	96
83) tert-Butylbenzene	13.23	119	492303	55.722	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	550363	53.777	ug/l	100
85) sec-Butylbenzene	13.40	105	685523	57.456	ug/l	100
86) p-Isopropyltoluene	13.52	119	659884	58.447	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	321079	54.813	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	315049	54.517	ug/l	98
89) n-Butylbenzene	13.84	91	597476	56.852	ug/l	100
90) Hexachloroethane	14.11	117	118084	58.152	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	274522	54.382	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15667	48.631	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	211056	54.184	ug/l	98
94) Hexachlorobutadiene	15.27	225	125419	58.349	ug/l	94
95) Naphthalene	15.40	128	350464	53.532	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	178969	53.254	ug/l	97

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

