

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101419\
 Data File : VD063953.D
 Acq On : 14 Oct 2019 14:01
 Operator : VA/SY
 Sample : VD1014SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:54:30 AM

Quant Time: Oct 14 17:24:25 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	173708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	280955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	277674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	147390	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	86946	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
35) Dibromofluoromethane	7.92	113	91238	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
50) Toluene-d8	10.34	98	366182	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
62) 4-Bromofluorobenzene	12.63	95	121718	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	27298	22.159	ug/l	90
3) Chloromethane	2.21	50	81232	21.954	ug/l	95
4) Vinyl Chloride	2.35	62	94704	23.786	ug/l	97
5) Bromomethane	2.76	94	56854	22.211	ug/l	87
6) Chloroethane	2.91	64	63484	24.110	ug/l	99
7) Trichlorofluoromethane	3.27	101	133162	25.296	ug/l	98
8) Diethyl Ether	3.71	74	20570	24.345	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	33997	23.331	ug/l	96
10) Methyl Iodide	4.30	142	38864	19.356	ug/l	98
11) Tert butyl alcohol	5.25	59	12751m	103.840	ug/l	
12) 1,1-Dichloroethene	4.06	96	32140	22.077	ug/l	88
13) Acrolein	3.92	56	12106	80.148	ug/l	91
14) Allyl chloride	4.70	41	52636	21.747	ug/l	98
15) Acrylonitrile	5.43	53	43431	116.588	ug/l #	89
16) Acetone	4.17	43	43080	97.841	ug/l	91
17) Carbon Disulfide	4.39	76	109564	20.704	ug/l	96
18) Methyl Acetate	4.72	43	21849	25.371	ug/l	91
19) Methyl tert-butyl Ether	5.48	73	80406	21.329	ug/l	94
20) Methylene Chloride	4.96	84	45164	21.395	ug/l	86
21) trans-1,2-Dichloroethene	5.47	96	39567	21.832	ug/l	95
22) Diisopropyl ether	6.37	45	109154	22.082	ug/l #	97
23) Vinyl Acetate	6.31	43	329380	112.009	ug/l	98
24) 1,1-Dichloroethane	6.27	63	68165	22.387	ug/l	96
25) 2-Butanone	7.22	43	59823	114.645	ug/l	98
26) 2,2-Dichloropropane	7.21	77	59045	21.437	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	45459	22.161	ug/l	98
28) Bromochloromethane	7.56	49	21842	20.029	ug/l	99
29) Tetrahydrofuran	7.58	42	33777	110.900	ug/l	97
30) Chloroform	7.71	83	72002	21.772	ug/l	99
31) Cyclohexane	7.98	56	65376	23.885	ug/l #	96
32) 1,1,1-Trichloroethane	7.90	97	64889	22.874	ug/l	96
36) 1,1-Dichloropropene	8.11	75	58308	22.698	ug/l	98
37) Ethyl Acetate	7.30	43	24306	21.308	ug/l #	91
38) Carbon Tetrachloride	8.09	117	59038	22.743	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	70176	22.218	ug/l	99
40) Benzene	8.35	78	164461	22.341	ug/l	100
41) Methacrylonitrile	7.54	41	13040	21.895	ug/l #	89
42) 1,2-Dichloroethane	8.43	62	46530	21.851	ug/l	98
43) Isopropyl Acetate	8.46	43	48147	22.349	ug/l	98
44) Trichloroethene	9.11	130	47290	22.277	ug/l	86
45) 1,2-Dichloropropane	9.39	63	38707	21.482	ug/l	94
46) Dibromomethane	9.48	93	22991	22.405	ug/l	96
47) Bromodichloromethane	9.67	83	55208	20.896	ug/l	95
48) Methyl methacrylate	9.46	41	21451	20.782	ug/l	96
49) 1,4-Dioxane	9.47	88	6586	470.186	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	126772	113.465	ug/l	98
52) Toluene	10.41	92	110978	21.960	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	55449	21.508	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	62268	20.982	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	32774	22.620	ug/l	94
56) Ethyl methacrylate	10.66	69	37527	20.452	ug/l	95
57) 1,3-Dichloropropane	10.95	76	53383	21.534	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.95	63	81201	102.958	ug/l	97
59) 2-Hexanone	10.99	43	90269	111.690	ug/l	100
60) Dibromochloromethane	11.14	129	38974	20.661	ug/l	99
61) 1,2-Dibromoethane	11.25	107	32849	23.386	ug/l	97
64) Tetrachloroethene	10.88	164	40360	21.291	ug/l	91
65) Chlorobenzene	11.67	112	123423	22.133	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	44110	21.467	ug/l	95
67) Ethyl Benzene	11.74	91	217430	21.623	ug/l	99
68) m/p-Xylenes	11.85	106	172769	44.515	ug/l	99
69) o-Xylene	12.18	106	79537	21.402	ug/l	97
70) Styrene	12.20	104	135841	21.592	ug/l	99
71) Bromoform	12.37	173	25421	23.052	ug/l #	99
73) Isopropylbenzene	12.48	105	216039	21.804	ug/l	97
74) N-amyl acetate	12.29	43	45241	21.207	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	38912	22.569	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	26630m	26.976	ug/l	
77) Bromobenzene	12.77	156	52590	21.304	ug/l	98
78) n-propylbenzene	12.82	91	266369	22.903	ug/l	98
79) 2-Chlorotoluene	12.91	91	139391	21.736	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	182896	22.126	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	11931	21.387	ug/l	96
82) 4-Chlorotoluene	13.01	91	146347	21.513	ug/l	99
83) tert-Butylbenzene	13.23	119	156981	21.338	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	187971	22.057	ug/l	97
85) sec-Butylbenzene	13.40	105	221397	22.284	ug/l	98
86) p-Isopropyltoluene	13.52	119	208766	22.206	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	107423	22.024	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	109037	22.659	ug/l	98
89) n-Butylbenzene	13.84	91	200061	22.862	ug/l	99
90) Hexachloroethane	14.11	117	38030	22.491	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	94111	22.389	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5952	20.782	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	65905	20.320	ug/l	99
94) Hexachlorobutadiene	15.27	225	36880	20.605	ug/l	90
95) Naphthalene	15.40	128	119986	22.010	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	60343	21.563	ug/l	97

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

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