

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
 Data File : VD064176.D
 Acq On : 11 Nov 2019 14:21
 Operator : VA/SY
 Sample : VD1111SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 10:25:44 AM

Quant Time: Nov 12 03:00:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	666658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	953843	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	822094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	393460	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	272386	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	7.92	113	265399	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
50) Toluene-d8	10.34	98	1016667	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
62) 4-Bromofluorobenzene	12.64	95	343085	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	109323	19.772	ug/l	99
3) Chloromethane	2.21	50	133025	22.430	ug/l	99
4) Vinyl Chloride	2.35	62	137503	21.681	ug/l	97
5) Bromomethane	2.76	94	93446	23.334	ug/l	96
6) Chloroethane	2.92	64	86160	21.261	ug/l	99
7) Trichlorofluoromethane	3.27	101	221271	21.520	ug/l	100
8) Diethyl Ether	3.71	74	59365	20.998	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	116283	19.786	ug/l	98
10) Methyl Iodide	4.29	142	114310	18.378	ug/l	95
11) Tert butyl alcohol	5.26	59	41039	107.164	ug/l	100
12) 1,1-Dichloroethene	4.06	96	115969	20.702	ug/l	90
13) Acrolein	3.92	56	29243	90.265	ug/l	96
14) Allyl chloride	4.71	41	207151	20.915	ug/l	99
15) Acrylonitrile	5.43	53	126866	105.258	ug/l	99
16) Acetone	4.17	43	123483	95.068	ug/l	100
17) Carbon Disulfide	4.40	76	359992	20.636	ug/l	100
18) Methyl Acetate	4.73	43	73551	20.274	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	275354	20.590	ug/l	99
20) Methylene Chloride	4.96	84	131334	20.017	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	131266	20.683	ug/l	96
22) Diisopropyl ether	6.37	45	376834	20.506	ug/l	98
23) Vinyl Acetate	6.31	43	1093393	106.737	ug/l	100
24) 1,1-Dichloroethane	6.27	63	221892	20.796	ug/l	99
25) 2-Butanone	7.22	43	177195	105.593	ug/l	97
26) 2,2-Dichloropropane	7.21	77	218773	20.907	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	143302	21.055	ug/l	98
28) Bromochloromethane	7.55	49	64804	17.445	ug/l	96
29) Tetrahydrofuran	7.57	42	105202	104.342	ug/l	99
30) Chloroform	7.71	83	237071	21.721	ug/l	97
31) Cyclohexane	7.98	56	214790	19.960	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	217527	20.814	ug/l	100
36) 1,1-Dichloropropene	8.11	75	177764	20.193	ug/l	100
37) Ethyl Acetate	7.30	43	72840	19.627	ug/l	95
38) Carbon Tetrachloride	8.09	117	190324	20.205	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	221176	19.856	ug/l	98
40) Benzene	8.35	78	487021	20.243	ug/l	99
41) Methacrylonitrile	7.53	41	44887	19.244	ug/l	92
42) 1,2-Dichloroethane	8.43	62	148787	20.591	ug/l	98
43) Isopropyl Acetate	8.46	43	156766	20.501	ug/l	99
44) Trichloroethene	9.11	130	146357	20.268	ug/l	96
45) 1,2-Dichloropropane	9.39	63	118404	20.219	ug/l	94
46) Dibromomethane	9.48	93	64079	20.440	ug/l	99
47) Bromodichloromethane	9.67	83	174176	20.626	ug/l	99
48) Methyl methacrylate	9.46	41	72870	19.489	ug/l	99
49) 1,4-Dioxane	9.47	88	15255	405.164	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	380785	103.845	ug/l	99
52) Toluene	10.40	92	318330	20.122	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	171675	20.292	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	203225	20.586	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	85059	20.000	ug/l	97
56) Ethyl methacrylate	10.66	69	120747	20.296	ug/l	96
57) 1,3-Dichloropropane	10.95	76	152652	20.581	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	238334	98.899	ug/l	99
59) 2-Hexanone	10.99	43	265950	101.944	ug/l	99
60) Dibromochloromethane	11.14	129	119119	20.073	ug/l	99
61) 1,2-Dibromoethane	11.25	107	87071	20.441	ug/l	98
64) Tetrachloroethene	10.88	164	127182	20.115	ug/l	97
65) Chlorobenzene	11.67	112	339740	20.323	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	127006	19.980	ug/l	99
67) Ethyl Benzene	11.75	91	616989	20.404	ug/l	98
68) m/p-Xylenes	11.86	106	464528	40.078	ug/l	99
69) o-Xylene	12.18	106	215410	20.039	ug/l	98
70) Styrene	12.20	104	375469	20.010	ug/l	100
71) Bromoform	12.37	173	74344	20.551	ug/l #	100
73) Isopropylbenzene	12.48	105	598776	20.733	ug/l	99
74) N-amyl acetate	12.29	43	143689	21.069	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	93732	21.539	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	55453m	17.497	ug/l	
77) Bromobenzene	12.77	156	142631	20.329	ug/l	97
78) n-propylbenzene	12.83	91	688233	20.858	ug/l	100
79) 2-Chlorotoluene	12.91	91	381797	20.495	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	487526	20.544	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	33016	20.694	ug/l	99
82) 4-Chlorotoluene	13.01	91	403558	20.770	ug/l	99
83) tert-Butylbenzene	13.23	119	426893	20.401	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	483410	20.634	ug/l	100
85) sec-Butylbenzene	13.41	105	582029	20.710	ug/l	100
86) p-Isopropyltoluene	13.52	119	545123	20.402	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	261177	20.053	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	260184	20.469	ug/l	97
89) n-Butylbenzene	13.85	91	493779	20.456	ug/l	99
90) Hexachloroethane	14.12	117	101831	20.622	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	223694	20.292	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15304	19.670	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	175856	20.680	ug/l	99
94) Hexachlorobutadiene	15.27	225	107341	19.543	ug/l	96
95) Naphthalene	15.41	128	284421	20.404	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	147871	20.457	ug/l	99

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

