

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
 Data File : VD064180.D
 Acq On : 11 Nov 2019 16:16
 Operator : VA/SY
 Sample : VD1111SBSD01
 Misc : 5.89G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 10:25:49 AM

Quant Time: Nov 12 03:17:39 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	625435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	907033	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	795975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	393376	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	276751	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
35) Dibromofluoromethane	7.92	113	263274	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.34	98	997380	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.64	95	343802	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	97395	18.776	ug/l	98
3) Chloromethane	2.21	50	119505	21.479	ug/l	97
4) Vinyl Chloride	2.35	62	123425	20.744	ug/l	99
5) Bromomethane	2.76	94	82054	21.840	ug/l	95
6) Chloroethane	2.92	64	83186	21.880	ug/l	100
7) Trichlorofluoromethane	3.27	101	201703	20.909	ug/l	95
8) Diethyl Ether	3.71	74	53665	20.233	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	105150	19.071	ug/l	98
10) Methyl Iodide	4.29	142	100584	17.363	ug/l	97
11) Tert butyl alcohol	5.26	59	42266	117.643	ug/l #	85
12) 1,1-Dichloroethene	4.06	96	102370	19.479	ug/l	94
13) Acrolein	3.92	56	29109	95.773	ug/l	98
14) Allyl chloride	4.70	41	188110	20.244	ug/l	99
15) Acrylonitrile	5.43	53	121849	107.759	ug/l	99
16) Acetone	4.17	43	113376	93.040	ug/l	94
17) Carbon Disulfide	4.40	76	327694	20.022	ug/l	99
18) Methyl Acetate	4.73	43	73495	21.594	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	261385	20.834	ug/l	96
20) Methylene Chloride	4.96	84	122998	19.982	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	118820	19.956	ug/l	97
22) Diisopropyl ether	6.37	45	348218	20.198	ug/l	97
23) Vinyl Acetate	6.31	43	1013079	105.416	ug/l	99
24) 1,1-Dichloroethane	6.26	63	204724	20.451	ug/l	97
25) 2-Butanone	7.22	43	164646	104.581	ug/l	95
26) 2,2-Dichloropropane	7.21	77	194771	19.840	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	131290	20.562	ug/l	97
28) Bromochloromethane	7.55	49	59776	17.152	ug/l	97
29) Tetrahydrofuran	7.57	42	104226	110.188	ug/l	99
30) Chloroform	7.71	83	214951	20.992	ug/l	93
31) Cyclohexane	7.98	56	188924	18.713	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	193404	19.726	ug/l	99
36) 1,1-Dichloropropene	8.11	75	157241	18.784	ug/l	97
37) Ethyl Acetate	7.30	43	76275	21.613	ug/l	99
38) Carbon Tetrachloride	8.10	117	171625	19.160	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	194409	18.353	ug/l	94
40) Benzene	8.35	78	445354	19.466	ug/l	98
41) Methacrylonitrile	7.53	41	46555	20.989	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	138321	20.130	ug/l	98
43) Isopropyl Acetate	8.46	43	153047	21.048	ug/l	99
44) Trichloroethene	9.11	130	132759	19.334	ug/l	98
45) 1,2-Dichloropropane	9.39	63	109437	19.653	ug/l	96
46) Dibromomethane	9.48	93	60577	20.320	ug/l	98
47) Bromodichloromethane	9.67	83	161884	20.160	ug/l	99
48) Methyl methacrylate	9.46	41	70176	19.737	ug/l	94
49) 1,4-Dioxane	9.47	88	15693	438.307	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	373011	106.974	ug/l	99
52) Toluene	10.41	92	290257	19.294	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	161780	20.110	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	186613	19.878	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	82342	20.361	ug/l	97
56) Ethyl methacrylate	10.67	69	114646	20.265	ug/l	98
57) 1,3-Dichloropropane	10.95	76	145304	20.602	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	248233	108.322	ug/l	100
59) 2-Hexanone	10.99	43	264435	106.595	ug/l	100
60) Dibromochloromethane	11.14	129	112342	19.908	ug/l	99
61) 1,2-Dibromoethane	11.25	107	83350	20.577	ug/l	98
64) Tetrachloroethene	10.88	164	116730	19.068	ug/l	97
65) Chlorobenzene	11.67	112	310642	19.192	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	116666	18.956	ug/l	97
67) Ethyl Benzene	11.75	91	562992	19.229	ug/l	98
68) m/p-Xylenes	11.86	106	427642	38.106	ug/l	100
69) o-Xylene	12.18	106	198438	19.066	ug/l	98
70) Styrene	12.20	104	345540	19.019	ug/l	99
71) Bromoform	12.37	173	72329	20.650	ug/l #	100
73) Isopropylbenzene	12.48	105	544564	18.860	ug/l	99
74) N-amyl acetate	12.29	43	143669	21.071	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	86556	19.895	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	71176m	22.463	ug/l	
77) Bromobenzene	12.77	156	136146	19.409	ug/l	98
78) n-propylbenzene	12.83	91	625098	18.949	ug/l	100
79) 2-Chlorotoluene	12.91	91	354280	19.022	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	444796	18.748	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	32426	20.328	ug/l	98
82) 4-Chlorotoluene	13.01	91	374350	19.271	ug/l	98
83) tert-Butylbenzene	13.23	119	390473	18.664	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	438058	18.702	ug/l	99
85) sec-Butylbenzene	13.41	105	527909	18.788	ug/l	100
86) p-Isopropyltoluene	13.52	119	491945	18.416	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	246195	18.907	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	241430	18.997	ug/l	97
89) n-Butylbenzene	13.85	91	452176	18.736	ug/l	100
90) Hexachloroethane	14.11	117	91022	18.437	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	211712	19.209	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17153	22.051	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	159828	18.799	ug/l	96
94) Hexachlorobutadiene	15.27	225	101756	18.530	ug/l	99
95) Naphthalene	15.41	128	280895	20.155	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	138341	19.142	ug/l	99

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

