

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD113020\
 Data File : VD067806.D
 Acq On : 30 Nov 2020 11:07
 Operator : VA/SY
 Sample : VD1130SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1130SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/1/2020 12:43:39 PM

Quant Time: Nov 30 13:25:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	234597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	333334	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	305601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	155601	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	113515	49.77	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.54%
35) Dibromofluoromethane	7.92	113	102648	48.39	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.78%
50) Toluene-d8	10.34	98	383460	49.44	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.88%
62) 4-Bromofluorobenzene	12.64	95	132395	49.94	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	39792	19.491	ug/l 96
3) Chloromethane	2.21	50	23874	21.005	ug/l 90
4) Vinyl Chloride	2.35	62	27966	19.636	ug/l 96
5) Bromomethane	2.76	94	26015	21.440	ug/l 97
6) Chloroethane	2.92	64	18876	19.886	ug/l # 86
7) Trichlorofluoromethane	3.27	101	91041	20.948	ug/l 96
8) Diethyl Ether	3.71	74	15862	18.077	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	42536	20.439	ug/l 98
10) Methyl Iodide	4.30	142	40659	19.087	ug/l 99
11) Tert butyl alcohol	5.20	59	15762	107.676	ug/l # 95
12) 1,1-Dichloroethene	4.07	96	37891	19.676	ug/l 92
13) Acrolein	3.93	56	8256	87.322	ug/l 93
14) Allyl chloride	4.73	41	34744	18.665	ug/l 94
15) Acrylonitrile	5.43	53	28628	93.674	ug/l 97
16) Acetone	4.15	43	27744	94.150	ug/l # 86
17) Carbon Disulfide	4.41	76	107689	19.335	ug/l 96
18) Methyl Acetate	4.71	43	10866	18.329	ug/l 93
19) Methyl tert-butyl Ether	5.49	73	77643	18.866	ug/l 94
20) Methylene Chloride	4.97	84	46044	15.675	ug/l 91
21) trans-1,2-Dichloroethene	5.48	96	45002	20.555	ug/l 93
22) Diisopropyl ether	6.36	45	70624	19.220	ug/l 96
23) Vinyl Acetate	6.31	43	196463	94.784	ug/l # 91
24) 1,1-Dichloroethane	6.27	63	62344	20.012	ug/l 98
25) 2-Butanone	7.21	43	29682	89.763	ug/l 99
26) 2,2-Dichloropropane	7.21	77	75765	20.615	ug/l 97
27) cis-1,2-Dichloroethene	7.21	96	46264	19.825	ug/l 100
28) Bromochloromethane	7.54	49	19010	19.050	ug/l 99
29) Tetrahydrofuran	7.56	42	17606	93.645	ug/l 94
30) Chloroform	7.71	83	82378	20.221	ug/l 98
31) Cyclohexane	7.98	56	51686	18.727	ug/l # 94
32) 1,1,1-Trichloroethane	7.91	97	87828	20.357	ug/l 96
36) 1,1-Dichloropropene	8.11	75	58388	20.413	ug/l 99
37) Ethyl Acetate	7.30	43	13700	17.812	ug/l # 92
38) Carbon Tetrachloride	8.10	117	87197	21.030	ug/l 90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	70075	20.701	ug/l #	93
40) Benzene	8.36	78	156489	19.920	ug/l	94
41) Methacrylonitrile	7.54	41	9577	24.385	ug/l #	13
42) 1,2-Dichloroethane	8.43	62	56513	21.201	ug/l	99
43) Isopropyl Acetate	8.45	43	27419	17.851	ug/l #	91
44) Trichloroethene	9.11	130	54570	20.959	ug/l	94
45) 1,2-Dichloropropane	9.38	63	31420	19.492	ug/l	90
46) Dibromomethane	9.48	93	21463	19.557	ug/l	94
47) Bromodichloromethane	9.67	83	64121	20.982	ug/l	98
48) Methyl methacrylate	9.46	41	15713	20.462	ug/l	87
49) 1,4-Dioxane	9.47	88	4471	375.928	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	65107	90.081	ug/l	99
52) Toluene	10.41	92	111556	20.932	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	52874	19.804	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	60502	20.023	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	28456	19.325	ug/l	98
56) Ethyl methacrylate	10.66	69	27935	18.324	ug/l	96
57) 1,3-Dichloropropane	10.95	76	47468	20.445	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	62222	87.351	ug/l	99
59) 2-Hexanone	10.98	43	49182	96.380	ug/l	98
60) Dibromochloromethane	11.14	129	44029	19.622	ug/l	98
61) 1,2-Dibromoethane	11.25	107	29771	20.519	ug/l	96
64) Tetrachloroethene	10.88	164	47945	20.214	ug/l #	84
65) Chlorobenzene	11.67	112	123235	20.517	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	50063	20.605	ug/l	96
67) Ethyl Benzene	11.75	91	216194	20.850	ug/l	97
68) m/p-Xylenes	11.86	106	169796	42.079	ug/l	99
69) o-Xylene	12.18	106	77197	21.012	ug/l	99
70) Styrene	12.20	104	135646	21.676	ug/l	97
71) Bromoform	12.37	173	25569	19.386	ug/l #	94
73) Isopropylbenzene	12.48	105	224335	21.912	ug/l	100
74) N-amyl acetate	12.29	43	24583	18.208	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	26925	19.596	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	22581m	20.822	ug/l	
77) Bromobenzene	12.77	156	54262	21.173	ug/l	96
78) n-propylbenzene	12.83	91	240185	21.087	ug/l	98
79) 2-Chlorotoluene	12.91	91	139626	20.705	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	197275	22.154	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	9074	19.570	ug/l	94
82) 4-Chlorotoluene	13.01	91	146766	20.425	ug/l	98
83) tert-Butylbenzene	13.23	119	164491	21.497	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	196070	22.042	ug/l	99
85) sec-Butylbenzene	13.41	105	210478	20.938	ug/l	100
86) p-Isopropyltoluene	13.52	119	205530	21.109	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	105201	21.210	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	104096	21.187	ug/l	98
89) n-Butylbenzene	13.85	91	173616	20.808	ug/l	99
90) Hexachloroethane	14.11	117	36467	19.675	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	90038	21.073	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5602	18.911	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	65190	21.548	ug/l	98
94) Hexachlorobutadiene	15.27	225	39446	20.407	ug/l	96
95) Naphthalene	15.40	128	93922	19.183	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	55452	21.518	ug/l	96

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

