

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
 Data File : VD064810.D
 Acq On : 09 Jan 2020 12:00
 Operator : VA/SY
 Sample : VD0109SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0109SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/10/2020 10:41:58 AM

Quant Time: Jan 09 14:13:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	394959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	571438	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	505903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	253883	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	173920	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
35) Dibromofluoromethane	7.91	113	174111	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
50) Toluene-d8	10.34	98	647280	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
62) 4-Bromofluorobenzene	12.64	95	208624	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	63492	20.685	ug/l	93
3) Chloromethane	2.21	50	93946	21.885	ug/l	99
4) Vinyl Chloride	2.35	62	112922	21.575	ug/l	100
5) Bromomethane	2.76	94	77555	20.379	ug/l	94
6) Chloroethane	2.92	64	76488	21.809	ug/l	93
7) Trichlorofluoromethane	3.27	101	189152	21.463	ug/l	94
8) Diethyl Ether	3.70	74	37810	21.605	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	81177	22.241	ug/l	99
10) Methyl Iodide	4.29	142	75500	19.258	ug/l	99
11) Tert butyl alcohol	5.25	59	17607m	88.214	ug/l	
12) 1,1-Dichloroethene	4.06	96	77265	22.236	ug/l	90
13) Acrolein	3.93	56	23739	85.341	ug/l	98
14) Allyl chloride	4.70	41	115446	21.309	ug/l	98
15) Acrylonitrile	5.43	53	79985	109.725	ug/l	99
16) Acetone	4.16	43	85439	111.452	ug/l	94
17) Carbon Disulfide	4.40	76	232260	20.672	ug/l	98
18) Methyl Acetate	4.72	43	43731	22.303	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	171707	22.248	ug/l	94
20) Methylene Chloride	4.96	84	90363	22.701	ug/l	94
21) trans-1,2-Dichloroethene	5.46	96	85508	21.608	ug/l	97
22) Diisopropyl ether	6.37	45	241727	22.370	ug/l	98
23) Vinyl Acetate	6.30	43	674210	109.989	ug/l	99
24) 1,1-Dichloroethane	6.26	63	145151	22.375	ug/l	96
25) 2-Butanone	7.21	43	109259	114.131	ug/l	96
26) 2,2-Dichloropropane	7.21	77	137463	22.791	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	93124	21.805	ug/l	97
28) Bromochloromethane	7.54	49	51846	20.560	ug/l	99
29) Tetrahydrofuran	7.57	42	64448	108.256	ug/l	99
30) Chloroform	7.71	83	154376	22.682	ug/l	98
31) Cyclohexane	7.98	56	137025	21.101	ug/l	# 94
32) 1,1,1-Trichloroethane	7.90	97	142288	22.258	ug/l	97
36) 1,1-Dichloropropene	8.11	75	120566	21.921	ug/l	98
37) Ethyl Acetate	7.30	43	46473	21.508	ug/l	95
38) Carbon Tetrachloride	8.10	117	129489	22.079	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	140707	21.122	ug/l	94
40) Benzene	8.35	78	332017	22.113	ug/l	99
41) Methacrylonitrile	7.52	41	25391	20.254	ug/l	91
42) 1,2-Dichloroethane	8.43	62	99822	23.007	ug/l	98
43) Isopropyl Acetate	8.46	43	93613	21.767	ug/l	100
44) Trichloroethene	9.11	130	96404	21.856	ug/l	98
45) 1,2-Dichloropropane	9.38	63	82892	23.122	ug/l	99
46) Dibromomethane	9.48	93	42830	21.429	ug/l	96
47) Bromodichloromethane	9.66	83	118693	22.317	ug/l	96
48) Methyl methacrylate	9.46	41	42085	20.783	ug/l	92
49) 1,4-Dioxane	9.46	88	9802	425.312	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	232486	109.367	ug/l	100
52) Toluene	10.40	92	215757	21.903	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	107114	21.602	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	128301	21.944	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	60199	22.349	ug/l	94
56) Ethyl methacrylate	10.66	69	72497	21.551	ug/l	99
57) 1,3-Dichloropropane	10.95	76	102097	22.014	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	145467	113.500	ug/l	99
59) 2-Hexanone	10.99	43	165680	114.833	ug/l	99
60) Dibromochloromethane	11.14	129	81780	21.955	ug/l	98
61) 1,2-Dibromoethane	11.25	107	57546	21.660	ug/l	99
64) Tetrachloroethene	10.88	164	84138	21.678	ug/l	96
65) Chlorobenzene	11.67	112	226754	21.596	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	85773	21.669	ug/l	98
67) Ethyl Benzene	11.75	91	405648	21.285	ug/l	97
68) m/p-Xylenes	11.86	106	316316	43.001	ug/l	100
69) o-Xylene	12.18	106	138281	20.812	ug/l	98
70) Styrene	12.20	104	249192	21.367	ug/l	98
71) Bromoform	12.36	173	49403	21.886	ug/l #	97
73) Isopropylbenzene	12.48	105	387795	21.374	ug/l	100
74) N-amyl acetate	12.30	43	81590	21.037	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	62652	21.982	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	49350m	24.616	ug/l	
77) Bromobenzene	12.77	156	94470	21.191	ug/l	97
78) n-propylbenzene	12.83	91	458460	21.660	ug/l	98
79) 2-Chlorotoluene	12.91	91	254497	21.888	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	323925	21.735	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	21308	22.229	ug/l	97
82) 4-Chlorotoluene	13.01	91	266804	21.562	ug/l	99
83) tert-Butylbenzene	13.23	119	270102	20.873	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	316838	21.346	ug/l	99
85) sec-Butylbenzene	13.41	105	380913	21.472	ug/l	100
86) p-Isopropyltoluene	13.53	119	358168	21.115	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	179095	21.074	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	185229	22.187	ug/l	98
89) n-Butylbenzene	13.85	91	328466	21.502	ug/l	98
90) Hexachloroethane	14.12	117	69192	21.354	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	154240	21.284	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9442	20.436	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	107054	20.063	ug/l	99
94) Hexachlorobutadiene	15.28	225	65680	19.561	ug/l	97
95) Naphthalene	15.41	128	170463	20.194	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	91894	20.173	ug/l	99

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

