

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020320\
 Data File : VD065046.D
 Acq On : 03 Feb 2020 11:24
 Operator : VA/SY
 Sample : VD0203SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0203SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 11:21:11 AM

Quant Time: Feb 03 12:56:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	475054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	706988	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	628125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	296363	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	232731	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
35) Dibromofluoromethane	7.92	113	234603	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
50) Toluene-d8	10.34	98	895078	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	
62) 4-Bromofluorobenzene	12.64	95	273608	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77252	21.586	ug/l	96
3) Chloromethane	2.21	50	113141	21.570	ug/l	93
4) Vinyl Chloride	2.35	62	123474	20.496	ug/l	100
5) Bromomethane	2.76	94	78630	19.403	ug/l	100
6) Chloroethane	2.92	64	80813	20.347	ug/l	96
7) Trichlorofluoromethane	3.27	101	187266	20.127	ug/l	96
8) Diethyl Ether	3.71	74	43794	20.851	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	95737	22.117	ug/l	100
10) Methyl Iodide	4.30	142	87041	18.944	ug/l	96
11) Tert butyl alcohol	5.25	59	25504	101.282	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	91995	22.247	ug/l	93
13) Acrolein	3.93	56	23141	73.307	ug/l	100
14) Allyl chloride	4.71	41	145488	22.059	ug/l	98
15) Acrylonitrile	5.43	53	91751	100.875	ug/l	99
16) Acetone	4.16	43	98348	90.490	ug/l	96
17) Carbon Disulfide	4.40	76	288773	21.218	ug/l	100
18) Methyl Acetate	4.72	43	47400	22.210	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	185465	20.072	ug/l	99
20) Methylene Chloride	4.96	84	119495	23.587	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	101444	21.293	ug/l	95
22) Diisopropyl ether	6.37	45	283391	21.561	ug/l	97
23) Vinyl Acetate	6.31	43	758260	98.532	ug/l	100
24) 1,1-Dichloroethane	6.26	63	178134	22.073	ug/l	96
25) 2-Butanone	7.22	43	119254	96.869	ug/l	100
26) 2,2-Dichloropropane	7.21	77	166165	22.700	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	108921	21.419	ug/l	99
28) Bromochloromethane	7.56	49	57107	17.694	ug/l	99
29) Tetrahydrofuran	7.57	42	73634	96.940	ug/l	100
30) Chloroform	7.71	83	184662	22.136	ug/l	99
31) Cyclohexane	7.98	56	168110	21.175	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	173015	22.293	ug/l	98
36) 1,1-Dichloropropene	8.11	75	145393	21.327	ug/l	99
37) Ethyl Acetate	7.30	43	54971	19.521	ug/l	99
38) Carbon Tetrachloride	8.10	117	155344	21.559	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	164038	20.581	ug/l	96
40) Benzene	8.36	78	395247	21.051	ug/l	99
41) Methacrylonitrile	7.53	41	26493m	17.465	ug/l	
42) 1,2-Dichloroethane	8.43	62	116110	20.760	ug/l	99
43) Isopropyl Acetate	8.46	43	102196	19.106	ug/l	99
44) Trichloroethene	9.11	130	111171	21.156	ug/l	94
45) 1,2-Dichloropropane	9.39	63	95672	21.019	ug/l	94
46) Dibromomethane	9.48	93	51237	20.618	ug/l	96
47) Bromodichloromethane	9.67	83	139424	21.561	ug/l	95
48) Methyl methacrylate	9.46	41	48751	19.805	ug/l	98
49) 1,4-Dioxane	9.46	88	11427	396.479	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	255489	95.458	ug/l	100
52) Toluene	10.41	92	256164	21.161	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	125775	20.420	ug/l	93
54) cis-1,3-Dichloropropene	10.10	75	149541	20.736	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	67729	20.233	ug/l	96
56) Ethyl methacrylate	10.67	69	78635	19.645	ug/l	99
57) 1,3-Dichloropropane	10.96	76	116437	20.281	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	129626	97.475	ug/l	99
59) 2-Hexanone	10.99	43	177634	96.219	ug/l	96
60) Dibromochloromethane	11.14	129	91269	20.400	ug/l	100
61) 1,2-Dibromoethane	11.25	107	64498	20.011	ug/l	99
64) Tetrachloroethene	10.88	164	95639	21.070	ug/l	96
65) Chlorobenzene	11.68	112	263171	20.635	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	101246	21.109	ug/l	98
67) Ethyl Benzene	11.75	91	469946	20.756	ug/l	99
68) m/p-Xylenes	11.86	106	365881	41.971	ug/l	99
69) o-Xylene	12.19	106	160139	20.698	ug/l	98
70) Styrene	12.20	104	285198	20.693	ug/l	99
71) Bromoform	12.37	173	52739	19.781	ug/l #	99
73) Isopropylbenzene	12.48	105	437583	21.602	ug/l	99
74) N-amyl acetate	12.30	43	87822	19.375	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	70538	20.719	ug/l	97
76) 1,2,3-Trichloropropane	12.80	75	49844m	20.263	ug/l	
77) Bromobenzene	12.77	156	105324	21.251	ug/l	99
78) n-propylbenzene	12.83	91	526340	21.849	ug/l	99
79) 2-Chlorotoluene	12.91	91	292448	22.130	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	364038	21.930	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	22821	19.809	ug/l	98
82) 4-Chlorotoluene	13.01	91	309079	22.054	ug/l	98
83) tert-Butylbenzene	13.23	119	299199	21.239	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	355554	21.144	ug/l	98
85) sec-Butylbenzene	13.41	105	428076	21.462	ug/l	100
86) p-Isopropyltoluene	13.53	119	394929	21.159	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	204588	21.514	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	199159	21.101	ug/l	99
89) n-Butylbenzene	13.86	91	362349	21.273	ug/l	99
90) Hexachloroethane	14.12	117	78303	21.755	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	168900	20.921	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10850	19.915	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	112774	20.192	ug/l	99
94) Hexachlorobutadiene	15.28	225	74173	20.996	ug/l	97
95) Naphthalene	15.41	128	175661	19.488	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	96400	19.907	ug/l	98

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

