

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030320\
 Data File : VD065386.D
 Acq On : 03 Mar 2020 11:20
 Operator : VA/SY
 Sample : VD0303SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0303SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 2:01:22 PM

Quant Time: Mar 04 05:01:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	475286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	690908	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	624134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	315149	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	203150	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
35) Dibromofluoromethane	7.92	113	216879	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.34	98	843679	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
62) 4-Bromofluorobenzene	12.64	95	277586	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	69084	17.330	ug/l	97
3) Chloromethane	2.21	50	89150	17.570	ug/l	93
4) Vinyl Chloride	2.35	62	90891	17.616	ug/l	99
5) Bromomethane	2.76	94	57832	18.538	ug/l	95
6) Chloroethane	2.93	64	55990	17.778	ug/l	94
7) Trichlorofluoromethane	3.27	101	147992	20.034	ug/l	98
8) Diethyl Ether	3.71	74	43489	19.504	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	94403	20.237	ug/l	98
10) Methyl Iodide	4.29	142	81962	16.922	ug/l	97
11) Tert butyl alcohol	5.24	59	22111	86.540	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	87854	19.937	ug/l	96
13) Acrolein	3.93	56	29591	73.949	ug/l	100
14) Allyl chloride	4.70	41	133861	18.706	ug/l	96
15) Acrylonitrile	5.43	53	93993	95.213	ug/l	99
16) Acetone	4.17	43	86264	82.534	ug/l	97
17) Carbon Disulfide	4.40	76	268178	18.152	ug/l	99
18) Methyl Acetate	4.71	43	51805	22.038	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	173776	18.911	ug/l	96
20) Methylene Chloride	4.96	84	107681	20.415	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	98088	19.580	ug/l	98
22) Diisopropyl ether	6.37	45	268802	19.485	ug/l	96
23) Vinyl Acetate	6.31	43	679861	89.395	ug/l	99
24) 1,1-Dichloroethane	6.26	63	168761	19.723	ug/l	99
25) 2-Butanone	7.22	43	111493	84.311	ug/l	99
26) 2,2-Dichloropropane	7.20	77	147516	19.870	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	103196	19.448	ug/l	99
28) Bromochloromethane	7.54	49	55983	17.636	ug/l	96
29) Tetrahydrofuran	7.57	42	72163	93.135	ug/l	99
30) Chloroform	7.71	83	173012	20.070	ug/l	99
31) Cyclohexane	7.98	56	152862	18.183	ug/l #	91
32) 1,1,1-Trichloroethane	7.90	97	155183	20.120	ug/l	99
36) 1,1-Dichloropropene	8.11	75	138450	20.595	ug/l	99
37) Ethyl Acetate	7.30	43	52612	18.721	ug/l	99
38) Carbon Tetrachloride	8.10	117	140593	20.544	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	154805	19.587	ug/l	99
40) Benzene	8.35	78	390741	20.592	ug/l	99
41) Methacrylonitrile	7.53	41	25381	15.641	ug/l	87
42) 1,2-Dichloroethane	8.43	62	105855	20.292	ug/l	99
43) Isopropyl Acetate	8.46	43	95497	18.686	ug/l	99
44) Trichloroethene	9.11	130	110671	21.041	ug/l	99
45) 1,2-Dichloropropane	9.39	63	97442	20.652	ug/l	98
46) Dibromomethane	9.48	93	49114	20.231	ug/l	97
47) Bromodichloromethane	9.67	83	132271	20.675	ug/l	99
48) Methyl methacrylate	9.46	41	48908	20.704	ug/l	93
49) 1,4-Dioxane	9.46	88	10807	379.554	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	249252	96.025	ug/l	99
52) Toluene	10.41	92	247970	21.112	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	116653	19.671	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	146734	20.491	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	71247	20.851	ug/l	96
56) Ethyl methacrylate	10.67	69	77040	19.534	ug/l	98
57) 1,3-Dichloropropane	10.95	76	121762	20.937	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	111709	89.841	ug/l	99
59) 2-Hexanone	10.99	43	171488	92.292	ug/l	97
60) Dibromochloromethane	11.14	129	90046	20.589	ug/l	99
61) 1,2-Dibromoethane	11.25	107	66061	20.419	ug/l	99
64) Tetrachloroethene	10.88	164	95488	21.572	ug/l	93
65) Chlorobenzene	11.67	112	265763	21.219	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	96709	20.691	ug/l	98
67) Ethyl Benzene	11.75	91	451575	20.586	ug/l	98
68) m/p-Xylenes	11.86	106	360266	42.927	ug/l	98
69) o-Xylene	12.18	106	156430	21.039	ug/l	96
70) Styrene	12.20	104	282374	21.390	ug/l	98
71) Bromoform	12.37	173	54405	20.977	ug/l #	100
73) Isopropylbenzene	12.48	105	432348	20.722	ug/l	100
74) N-amyl acetate	12.30	43	85711	18.487	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	75175	19.964	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	49787m	18.568	ug/l	
77) Bromobenzene	12.77	156	106189	20.496	ug/l	98
78) n-propylbenzene	12.83	91	525140	20.944	ug/l	97
79) 2-Chlorotoluene	12.91	91	290011	20.647	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	360815	20.997	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	23126	18.622	ug/l	99
82) 4-Chlorotoluene	13.01	91	311319	20.877	ug/l	99
83) tert-Butylbenzene	13.23	119	293823	20.401	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	356859	20.747	ug/l	98
85) sec-Butylbenzene	13.41	105	431822	20.807	ug/l	100
86) p-Isopropyltoluene	13.53	119	395214	20.824	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	205782	20.545	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	204638	20.701	ug/l	98
89) n-Butylbenzene	13.85	91	359053	20.530	ug/l	99
90) Hexachloroethane	14.12	117	79247	20.564	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	178572	20.764	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11051	19.044	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	116024	20.625	ug/l	99
94) Hexachlorobutadiene	15.28	225	75390	20.892	ug/l	99
95) Naphthalene	15.41	128	178842	19.556	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	101813	20.723	ug/l	99

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

