

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030220\
 Data File : VD065372.D
 Acq On : 02 Mar 2020 11:47
 Operator : VA/SY
 Sample : VD0302SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/3/2020 11:12:04 AM

Quant Time: Mar 02 13:20:00 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	7.99	168	472826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	703684	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	644887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	323179	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	209457	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
35) Dibromofluoromethane	7.92	113	223104	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
50) Toluene-d8	10.34	98	852576	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
62) 4-Bromofluorobenzene	12.64	95	278283	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	69222	17.455	ug/l	96
3) Chloromethane	2.21	50	90534	17.936	ug/l	99
4) Vinyl Chloride	2.35	62	91164	17.761	ug/l	99
5) Bromomethane	2.76	94	59217	19.081	ug/l	98
6) Chloroethane	2.92	64	57985	18.507	ug/l	97
7) Trichlorofluoromethane	3.27	101	143855	19.576	ug/l	97
8) Diethyl Ether	3.71	74	44973	20.274	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93009	20.042	ug/l	98
10) Methyl Iodide	4.30	142	90069	18.693	ug/l	99
11) Tert butyl alcohol	5.24	59	30410	119.641	ug/l #	92
12) 1,1-Dichloroethene	4.07	96	85374	19.475	ug/l	97
13) Acrolein	3.93	56	34659	92.941	ug/l	97
14) Allyl chloride	4.71	41	134965	18.959	ug/l	98
15) Acrylonitrile	5.44	53	103120	105.002	ug/l	98
16) Acetone	4.17	43	94404	90.792	ug/l	96
17) Carbon Disulfide	4.40	76	269791	18.357	ug/l	96
18) Methyl Acetate	4.72	43	52716	22.542	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	180620	19.758	ug/l	98
20) Methylene Chloride	4.96	84	106862	20.353	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	98938	19.853	ug/l	94
22) Diisopropyl ether	6.37	45	269517	19.639	ug/l	99
23) Vinyl Acetate	6.31	43	713214	94.268	ug/l	99
24) 1,1-Dichloroethane	6.27	63	166563	19.567	ug/l	96
25) 2-Butanone	7.22	43	123926	94.201	ug/l	97
26) 2,2-Dichloropropane	7.21	77	144329	19.542	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	102747	19.464	ug/l	99
28) Bromochloromethane	7.55	49	57592	18.237	ug/l	97
29) Tetrahydrofuran	7.57	42	78742	102.154	ug/l	99
30) Chloroform	7.71	83	170932	19.932	ug/l	97
31) Cyclohexane	7.99	56	156467	18.708	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	152446	19.868	ug/l	100
36) 1,1-Dichloropropene	8.11	75	133638	19.518	ug/l	99
37) Ethyl Acetate	7.30	43	56995	19.912	ug/l	98
38) Carbon Tetrachloride	8.10	117	137336	19.704	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	155620	19.333	ug/l	97
40) Benzene	8.36	78	385765	19.961	ug/l	99
41) Methacrylonitrile	7.53	41	31358	18.974	ug/l	95
42) 1,2-Dichloroethane	8.43	62	103820	19.541	ug/l	98
43) Isopropyl Acetate	8.46	43	101013	19.407	ug/l	98
44) Trichloroethene	9.11	130	105992	19.785	ug/l	97
45) 1,2-Dichloropropane	9.39	63	97080	20.202	ug/l	100
46) Dibromomethane	9.48	93	50844	20.563	ug/l	97
47) Bromodichloromethane	9.67	83	132530	20.339	ug/l	98
48) Methyl methacrylate	9.46	41	46902	19.494	ug/l	96
49) 1,4-Dioxane	9.46	88	11889	409.974	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	263884	99.816	ug/l	100
52) Toluene	10.41	92	246717	20.624	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	120601	19.968	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	148868	20.412	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	71617	20.579	ug/l	96
56) Ethyl methacrylate	10.67	69	78918	19.647	ug/l	99
57) 1,3-Dichloropropane	10.95	76	121803	20.564	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	125059	98.752	ug/l	98
59) 2-Hexanone	10.99	43	186066	98.319	ug/l	97
60) Dibromochloromethane	11.15	129	92289	20.719	ug/l	99
61) 1,2-Dibromoethane	11.26	107	68868	20.900	ug/l	99
64) Tetrachloroethene	10.88	164	94105	20.575	ug/l	99
65) Chlorobenzene	11.68	112	264006	20.400	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	96474	19.977	ug/l	98
67) Ethyl Benzene	11.75	91	451787	19.933	ug/l	98
68) m/p-Xylenes	11.86	106	352013	40.594	ug/l	100
69) o-Xylene	12.19	106	156690	20.396	ug/l	97
70) Styrene	12.20	104	278536	20.420	ug/l	99
71) Bromoform	12.37	173	56655	21.141	ug/l #	98
73) Isopropylbenzene	12.49	105	421877	19.718	ug/l	99
74) N-amyl acetate	12.30	43	92438	19.443	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	77476	20.064	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	53475m	19.448	ug/l	
77) Bromobenzene	12.77	156	108566	20.434	ug/l	98
78) n-propylbenzene	12.83	91	516435	20.085	ug/l	99
79) 2-Chlorotoluene	12.91	91	289521	20.100	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	357002	20.259	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	24652	19.358	ug/l	93
82) 4-Chlorotoluene	13.01	91	304261	19.897	ug/l	97
83) tert-Butylbenzene	13.23	119	303990	20.582	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	356137	20.191	ug/l	100
85) sec-Butylbenzene	13.41	105	427888	20.105	ug/l	100
86) p-Isopropyltoluene	13.53	119	393822	20.235	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	204852	19.944	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	203557	20.080	ug/l	99
89) n-Butylbenzene	13.86	91	359688	20.056	ug/l	99
90) Hexachloroethane	14.12	117	77406	19.587	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	178770	20.271	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12008	20.179	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	119316	20.683	ug/l	98
94) Hexachlorobutadiene	15.28	225	76524	20.679	ug/l	99
95) Naphthalene	15.42	128	190636	20.328	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	103477	20.538	ug/l	96

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

