

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011320\
 Data File : VD064843.D
 Acq On : 13 Jan 2020 12:14
 Operator : VA/SY
 Sample : VD0113SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/14/2020 1:28:22 PM

Quant Time: Jan 14 11:43:12 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	7.99	168	419869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	614819	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	546145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	263441	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	191159	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
35) Dibromofluoromethane	7.92	113	193301	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
50) Toluene-d8	10.34	98	737799	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.64	95	232965	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	64426	19.744	ug/l	99
3) Chloromethane	2.21	50	96968	21.249	ug/l	98
4) Vinyl Chloride	2.35	62	117255	21.073	ug/l	99
5) Bromomethane	2.76	94	80077	19.793	ug/l	94
6) Chloroethane	2.91	64	76800	20.599	ug/l	95
7) Trichlorofluoromethane	3.27	101	191020	20.389	ug/l	96
8) Diethyl Ether	3.71	74	38014	20.433	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.08	101	84521	21.784	ug/l	98
10) Methyl Iodide	4.29	142	83722	20.088	ug/l	100
11) Tert butyl alcohol	5.24	59	22428	105.701	ug/l #	70
12) 1,1-Dichloroethene	4.06	96	78520	21.256	ug/l	96
13) Acrolein	3.91	56	21734	73.498	ug/l	95
14) Allyl chloride	4.70	41	126520	21.968	ug/l	98
15) Acrylonitrile	5.43	53	81230	104.822	ug/l	99
16) Acetone	4.16	43	86363	105.921	ug/l	99
17) Carbon Disulfide	4.40	76	236350	19.788	ug/l	98
18) Methyl Acetate	4.72	43	42620	20.447	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	171981	20.961	ug/l	97
20) Methylene Chloride	4.96	84	97161	23.023	ug/l	99
21) trans-1,2-Dichloroethene	5.46	96	90382	21.485	ug/l	98
22) Diisopropyl ether	6.37	45	249977	21.761	ug/l	97
23) Vinyl Acetate	6.31	43	678203	104.076	ug/l	99
24) 1,1-Dichloroethane	6.27	63	153443	22.250	ug/l	99
25) 2-Butanone	7.22	43	109612	107.707	ug/l	92
26) 2,2-Dichloropropane	7.21	77	145820	22.742	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	98630	21.724	ug/l	99
28) Bromochloromethane	7.55	49	54664	20.391	ug/l	96
29) Tetrahydrofuran	7.57	42	63794	100.800	ug/l	95
30) Chloroform	7.71	83	164610	22.751	ug/l	94
31) Cyclohexane	7.99	56	144924	20.994	ug/l	89
32) 1,1,1-Trichloroethane	7.90	97	151545	22.299	ug/l	99
36) 1,1-Dichloropropene	8.11	75	125163	21.151	ug/l	99
37) Ethyl Acetate	7.30	43	46731	20.102	ug/l	96
38) Carbon Tetrachloride	8.09	117	137573	21.803	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	142737	19.915	ug/l	91
40) Benzene	8.35	78	347644	21.520	ug/l	98
41) Methacrylonitrile	7.54	41	26968	19.994	ug/l	91
42) 1,2-Dichloroethane	8.43	62	102646	21.988	ug/l	97
43) Isopropyl Acetate	8.46	43	91691	19.816	ug/l	97
44) Trichloroethene	9.11	130	99784	21.026	ug/l	97
45) 1,2-Dichloropropane	9.39	63	85598	22.192	ug/l	93
46) Dibromomethane	9.48	93	45111	20.977	ug/l	98
47) Bromodichloromethane	9.67	83	124280	21.719	ug/l	99
48) Methyl methacrylate	9.46	41	42729	19.612	ug/l	94
49) 1,4-Dioxane	9.47	88	9436	380.542	ug/l #	84
51) 4-Methyl-2-Pentanone	10.23	43	228697	99.993	ug/l	99
52) Toluene	10.41	92	224728	21.204	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	114526	21.467	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	134486	21.378	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	59420	20.503	ug/l	94
56) Ethyl methacrylate	10.66	69	70362	19.440	ug/l	96
57) 1,3-Dichloropropane	10.95	76	104587	20.959	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	150696	109.283	ug/l	99
59) 2-Hexanone	10.99	43	157993	101.779	ug/l	99
60) Dibromochloromethane	11.14	129	82609	20.613	ug/l	97
61) 1,2-Dibromoethane	11.25	107	59391	20.777	ug/l	98
64) Tetrachloroethene	10.88	164	87840	20.965	ug/l	97
65) Chlorobenzene	11.67	112	238445	21.036	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	87850	20.558	ug/l	98
67) Ethyl Benzene	11.75	91	429850	20.893	ug/l	99
68) m/p-Xylenes	11.86	106	320292	40.333	ug/l	95
69) o-Xylene	12.18	106	146971	20.490	ug/l	99
70) Styrene	12.20	104	259429	20.605	ug/l	99
71) Bromoform	12.37	173	47375	19.441	ug/l #	100
73) Isopropylbenzene	12.48	105	407707	21.657	ug/l	100
74) N-amyl acetate	12.30	43	81907	20.353	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	61295	20.726	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	47434m	22.802	ug/l	
77) Bromobenzene	12.77	156	95107	20.560	ug/l	96
78) n-propylbenzene	12.83	91	475542	21.652	ug/l	99
79) 2-Chlorotoluene	12.91	91	263265	21.820	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	329486	21.306	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	21883	22.001	ug/l	98
82) 4-Chlorotoluene	13.01	91	278160	21.664	ug/l	100
83) tert-Butylbenzene	13.23	119	283912	21.144	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	330463	21.456	ug/l	99
85) sec-Butylbenzene	13.41	105	400537	21.759	ug/l	99
86) p-Isopropyltoluene	13.53	119	364273	20.696	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	186140	21.108	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	184122	21.254	ug/l	99
89) n-Butylbenzene	13.85	91	337153	21.270	ug/l	99
90) Hexachloroethane	14.12	117	72194	21.472	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	157230	20.910	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10809	22.546	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	109623	19.799	ug/l	99
94) Hexachlorobutadiene	15.28	225	70958	20.366	ug/l	98
95) Naphthalene	15.41	128	163019	18.611	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	94117	19.912	ug/l	99

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

