

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091420\
 Data File : VD066682.D
 Acq On : 14 Sep 2020 21:03
 Operator : VA/SY
 Sample : VD0914SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/15/2020 2:28:01 PM

Quant Time: Sep 15 03:02:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	362684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	615967	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	561445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	258984	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	240924	54.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.80%	
35) Dibromofluoromethane	7.91	113	218695	52.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.26%	
50) Toluene-d8	10.34	98	772522	52.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.04%	
62) 4-Bromofluorobenzene	12.63	95	267122	54.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	76410	23.417	ug/l	85
3) Chloromethane	2.21	50	100889	21.996	ug/l	94
4) Vinyl Chloride	2.35	62	108748	21.377	ug/l	97
5) Bromomethane	2.76	94	77389	21.467	ug/l	93
6) Chloroethane	2.91	64	67403	20.860	ug/l	99
7) Trichlorofluoromethane	3.27	101	161157	21.444	ug/l	96
8) Diethyl Ether	3.71	74	39438	20.840	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	86228	21.201	ug/l	99
10) Methyl Iodide	4.29	142	75689	22.783	ug/l	99
11) Tert butyl alcohol	5.22	59	42038	131.663	ug/l #	83
12) 1,1-Dichloroethene	4.07	96	77276	21.148	ug/l	97
13) Acrolein	3.92	56	12435	69.305	ug/l #	76
14) Allyl chloride	4.71	41	131026	21.879	ug/l	99
15) Acrylonitrile	5.41	53	88107	108.382	ug/l	98
16) Acetone	4.16	43	78508	97.235	ug/l	97
17) Carbon Disulfide	4.41	76	243791	20.295	ug/l	99
18) Methyl Acetate	4.71	43	46734	24.281	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	192132	22.422	ug/l	93
20) Methylene Chloride	4.96	84	125378	25.213	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	91521	21.092	ug/l	90
22) Diisopropyl ether	6.36	45	271052	22.010	ug/l	93
23) Vinyl Acetate	6.30	43	763868	108.998	ug/l	98
24) 1,1-Dichloroethane	6.26	63	167303	21.603	ug/l	98
25) 2-Butanone	7.21	43	115257	106.340	ug/l	96
26) 2,2-Dichloropropane	7.21	77	142813	20.104	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	99012	21.219	ug/l	96
28) Bromochloromethane	7.54	49	56952	19.102	ug/l #	15
29) Tetrahydrofuran	7.56	42	72157	106.897	ug/l	97
30) Chloroform	7.71	83	182840	22.316	ug/l	90
31) Cyclohexane	7.99	56	142241	19.869	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	164340	21.334	ug/l	98
36) 1,1-Dichloropropene	8.10	75	132228	20.627	ug/l	98
37) Ethyl Acetate	7.29	43	54416	21.318	ug/l	97
38) Carbon Tetrachloride	8.09	117	146046	21.554	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	139287	19.459	ug/l	91
40) Benzene	8.34	78	369607	21.052	ug/l	97
41) Methacrylonitrile	7.51	41	20752m	16.795	ug/l	
42) 1,2-Dichloroethane	8.42	62	119851	21.069	ug/l	99
43) Isopropyl Acetate	8.44	43	108501	22.181	ug/l	98
44) Trichloroethene	9.11	130	97433	21.157	ug/l	98
45) 1,2-Dichloropropane	9.38	63	90179	20.425	ug/l #	87
46) Dibromomethane	9.47	93	50628	20.784	ug/l	97
47) Bromodichloromethane	9.66	83	141268	21.436	ug/l	95
48) Methyl methacrylate	9.46	41	48651	19.669	ug/l #	85
49) 1,4-Dioxane	9.46	88	11998	448.968	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	272874	110.608	ug/l	97
52) Toluene	10.40	92	231371	20.819	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	126453	21.736	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	147167	21.065	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	68675	21.927	ug/l	93
56) Ethyl methacrylate	10.66	69	80379	22.042	ug/l	95
57) 1,3-Dichloropropane	10.94	76	116993	21.326	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	199690	119.722	ug/l	99
59) 2-Hexanone	10.98	43	177550	107.020	ug/l	99
60) Dibromochloromethane	11.14	129	92014	22.217	ug/l	95
61) 1,2-Dibromoethane	11.24	107	66321	21.766	ug/l	98
64) Tetrachloroethene	10.87	164	80061	21.179	ug/l	86
65) Chlorobenzene	11.67	112	243019	20.972	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	95344	21.559	ug/l	98
67) Ethyl Benzene	11.74	91	440590	20.707	ug/l	99
68) m/p-Xylenes	11.85	106	332994	42.149	ug/l	97
69) o-Xylene	12.18	106	148832	21.021	ug/l	98
70) Styrene	12.20	104	263341	21.394	ug/l	99
71) Bromoform	12.36	173	49426	22.176	ug/l #	100
73) Isopropylbenzene	12.48	105	407758	21.265	ug/l	100
74) N-amyl acetate	12.29	43	89711	20.657	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	77008	22.733	ug/l	94
76) 1,2,3-Trichloropropane	12.78	75	57468m	23.073	ug/l	
77) Bromobenzene	12.76	156	94432	22.090	ug/l	98
78) n-propylbenzene	12.82	91	501426	21.572	ug/l	100
79) 2-Chlorotoluene	12.91	91	288752	22.143	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	358155	22.192	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22777	21.350	ug/l	95
82) 4-Chlorotoluene	13.00	91	308789	22.144	ug/l	99
83) tert-Butylbenzene	13.23	119	287405	21.807	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	344281	21.426	ug/l	100
85) sec-Butylbenzene	13.40	105	396549	20.885	ug/l	98
86) p-Isopropyltoluene	13.52	119	363050	21.243	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	181648	21.404	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	177940	20.889	ug/l	97
89) n-Butylbenzene	13.84	91	343842	20.646	ug/l	99
90) Hexachloroethane	14.11	117	77552	21.060	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	154006	20.761	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13175	22.895	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	96157	21.599	ug/l	96
94) Hexachlorobutadiene	15.27	225	57033	21.324	ug/l	95
95) Naphthalene	15.41	128	170709	21.943	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	85002	22.395	ug/l	94

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

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