

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082120\
 Data File : VD066358.D
 Acq On : 21 Aug 2020 14:08
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSV082120

Manual Integrations
 APPROVED

MMDadoda
 8/24/2020 4:37:08 PM

Quant Time: Aug 22 02:26:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	257072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	350753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	320759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	167899	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	129826	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
35) Dibromofluoromethane	7.91	113	121650	55.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.92%	
50) Toluene-d8	10.34	98	451845	56.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.62%	
62) 4-Bromofluorobenzene	12.63	95	156826	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	107455	49.167	ug/l	100
3) Chloromethane	2.20	50	77441	49.989	ug/l	98
4) Vinyl Chloride	2.35	62	82361	49.517	ug/l	99
5) Bromomethane	2.77	94	61247	49.230	ug/l	94
6) Chloroethane	2.92	64	52680	49.463	ug/l	95
7) Trichlorofluoromethane	3.27	101	229445	50.730	ug/l	98
8) Diethyl Ether	3.70	74	48866	48.220	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	115800	51.880	ug/l	98
10) Methyl Iodide	4.30	142	123159	48.377	ug/l	99
11) Tert butyl alcohol	5.22	59	35591	245.575	ug/l	96
12) 1,1-Dichloroethene	4.07	96	110367	52.676	ug/l	92
13) Acrolein	3.91	56	24607	219.866	ug/l	95
14) Allyl chloride	4.71	41	143513	51.317	ug/l	99
15) Acrylonitrile	5.42	53	101522	249.689	ug/l	96
16) Acetone	4.15	43	112160	246.845	ug/l	99
17) Carbon Disulfide	4.40	76	322289	50.756	ug/l	98
18) Methyl Acetate	4.71	43	40037	46.948	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	253916	50.329	ug/l	94
20) Methylene Chloride	4.96	84	124144	51.292	ug/l	# 90
21) trans-1,2-Dichloroethene	5.47	96	124099	50.882	ug/l	97
22) Diisopropyl ether	6.36	45	280383	51.783	ug/l	98
23) Vinyl Acetate	6.30	43	856883	255.638	ug/l	99
24) 1,1-Dichloroethane	6.26	63	192929	50.421	ug/l	97
25) 2-Butanone	7.21	43	128840	249.774	ug/l	98
26) 2,2-Dichloropropane	7.21	77	209140	50.997	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	131776	50.424	ug/l	99
28) Bromochloromethane	7.54	49	67087	50.900	ug/l	97
29) Tetrahydrofuran	7.56	42	72584	247.741	ug/l	98
30) Chloroform	7.71	83	224445	50.699	ug/l	97
31) Cyclohexane	7.98	56	171291	48.948	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	230958	50.974	ug/l	98
36) 1,1-Dichloropropene	8.11	75	172725	53.970	ug/l	99
37) Ethyl Acetate	7.28	43	55255	50.762	ug/l	# 93
38) Carbon Tetrachloride	8.09	117	225312	54.037	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	207873	55.139	ug/l	99
40) Benzene	8.34	78	447082	53.102	ug/l	97
41) Methacrylonitrile	7.52	41	31540	46.986	ug/l #	92
42) 1,2-Dichloroethane	8.42	62	155215	52.344	ug/l	99
43) Isopropyl Acetate	8.44	43	110559	50.604	ug/l	99
44) Trichloroethene	9.11	130	147718	53.996	ug/l	99
45) 1,2-Dichloropropane	9.38	63	105106	55.067	ug/l	91
46) Dibromomethane	9.47	93	61926	52.109	ug/l	100
47) Bromodichloromethane	9.66	83	173502	53.089	ug/l	100
48) Methyl methacrylate	9.46	41	61292	54.403	ug/l	92
49) 1,4-Dioxane	9.46	88	13747	996.226	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	278182	263.203	ug/l	98
52) Toluene	10.40	92	307771	53.957	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	166314	53.631	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	185167	53.197	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	81456	50.631	ug/l	93
56) Ethyl methacrylate	10.66	69	100421	53.921	ug/l	93
57) 1,3-Dichloropropane	10.94	76	141160	53.045	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	206865	267.440	ug/l	100
59) 2-Hexanone	10.98	43	200784	269.325	ug/l	98
60) Dibromochloromethane	11.14	129	126968	52.357	ug/l	98
61) 1,2-Dibromoethane	11.24	107	82069	51.836	ug/l	96
64) Tetrachloroethene	10.87	164	128071	52.634	ug/l	94
65) Chlorobenzene	11.67	112	336207	52.684	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	135161	51.827	ug/l	99
67) Ethyl Benzene	11.74	91	610001	54.304	ug/l	100
68) m/p-Xylenes	11.86	106	456389	106.594	ug/l	97
69) o-Xylene	12.18	106	210621	52.879	ug/l	99
70) Styrene	12.20	104	358398	52.404	ug/l	98
71) Bromoform	12.36	173	74907	50.627	ug/l #	100
73) Isopropylbenzene	12.48	105	609600	54.199	ug/l	99
74) N-amyl acetate	12.29	43	105461	51.915	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	81617	50.797	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	58580m	49.595	ug/l	
77) Bromobenzene	12.76	156	149311	52.303	ug/l	99
78) n-propylbenzene	12.82	91	684093	53.046	ug/l	100
79) 2-Chlorotoluene	12.91	91	393924	53.482	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	513306	52.857	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	30804	55.357	ug/l	93
82) 4-Chlorotoluene	13.01	91	409751	52.508	ug/l	99
83) tert-Butylbenzene	13.23	119	444267	52.669	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	507271	53.182	ug/l	100
85) sec-Butylbenzene	13.40	105	597550	54.069	ug/l	100
86) p-Isopropyltoluene	13.52	119	574964	53.955	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	277390	52.054	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	277992	51.956	ug/l	99
89) n-Butylbenzene	13.84	91	511164	54.358	ug/l	100
90) Hexachloroethane	14.11	117	107720	51.172	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	245266	53.465	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16564	49.153	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	187843	52.450	ug/l	99
94) Hexachlorobutadiene	15.27	225	122368	54.982	ug/l	97
95) Naphthalene	15.41	128	300418	53.408	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	161839	52.752	ug/l	98

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

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