

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042220\
 Data File : VD065669.D
 Acq On : 22 Apr 2020 18:19
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSV042220

Manual Integrations
 APPROVED

MMDadoda
 4/23/2020 1:31:49 PM

Quant Time: Apr 23 04:18:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 04:14:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	225766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	321500	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	257993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	153378	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	92259	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	
35) Dibromofluoromethane	7.92	113	94632	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	
50) Toluene-d8	10.34	98	347087	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	
62) 4-Bromofluorobenzene	12.64	95	110613	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	97494	56.811	ug/l	98
3) Chloromethane	2.21	50	102323	53.741	ug/l	99
4) Vinyl Chloride	2.35	62	110389	51.566	ug/l	100
5) Bromomethane	2.77	94	70939	53.861	ug/l	94
6) Chloroethane	2.93	64	69224	52.182	ug/l	95
7) Trichlorofluoromethane	3.27	101	159546	50.712	ug/l	96
8) Diethyl Ether	3.71	74	36535	63.513	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	78963	62.512	ug/l	100
10) Methyl Iodide	4.29	142	105213	70.359	ug/l	96
11) Tert butyl alcohol	5.24	59	30588	288.743	ug/l	100
12) 1,1-Dichloroethene	4.06	96	73280	63.870	ug/l	98
13) Acrolein	3.93	56	26775	323.304	ug/l	99
14) Allyl chloride	4.71	41	169026	77.555	ug/l	93
15) Acrylonitrile	5.43	53	123439	297.865	ug/l	98
16) Acetone	4.16	43	70623	285.782	ug/l	99
17) Carbon Disulfide	4.40	76	351628	80.740	ug/l	99
18) Methyl Acetate	4.73	43	62535	78.568	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	230559	61.883	ug/l	95
20) Methylene Chloride	4.96	84	120834	50.463	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	122717	59.114	ug/l	96
22) Diisopropyl ether	6.37	45	344978	61.513	ug/l	98
23) Vinyl Acetate	6.31	43	989924	318.768	ug/l	99
24) 1,1-Dichloroethane	6.26	63	204668	57.075	ug/l	99
25) 2-Butanone	7.22	43	147639	280.492	ug/l	98
26) 2,2-Dichloropropane	7.21	77	166350	51.398	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	130444	57.928	ug/l	97
28) Bromochloromethane	7.55	49	74956	49.863	ug/l	98
29) Tetrahydrofuran	7.57	42	100799	299.776	ug/l	99
30) Chloroform	7.71	83	207904	54.684	ug/l	96
31) Cyclohexane	7.98	56	184777	52.154	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	183379	53.274	ug/l	98
36) 1,1-Dichloropropene	8.11	75	164236	53.208	ug/l	99
37) Ethyl Acetate	7.30	43	68592	53.075	ug/l	99
38) Carbon Tetrachloride	8.10	117	170493	51.124	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	195901	55.410	ug/l	98
40) Benzene	8.36	78	475054	54.485	ug/l	97
41) Methacrylonitrile	7.53	41	40795	59.005	ug/l	96
42) 1,2-Dichloroethane	8.43	62	134302	54.465	ug/l	100
43) Isopropyl Acetate	8.46	43	126993	55.908	ug/l	99
44) Trichloroethene	9.11	130	132018	53.301	ug/l	98
45) 1,2-Dichloropropane	9.39	63	116650	54.631	ug/l	96
46) Dibromomethane	9.48	93	61366	53.949	ug/l	98
47) Bromodichloromethane	9.67	83	159677	53.303	ug/l	97
48) Methyl methacrylate	9.46	41	62996	58.172	ug/l	99
49) 1,4-Dioxane	9.47	88	15402	1170.670	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	338385	287.760	ug/l	100
52) Toluene	10.41	92	302104	54.972	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	151752	55.762	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	175299	53.316	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	86215	53.727	ug/l	99
56) Ethyl methacrylate	10.67	69	104039	52.990	ug/l	94
57) 1,3-Dichloropropane	10.95	76	148616	55.169	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	235353	239.156	ug/l	100
59) 2-Hexanone	10.99	43	230679	289.527	ug/l	98
60) Dibromochloromethane	11.14	129	112763	53.569	ug/l	98
61) 1,2-Dibromoethane	11.25	107	82852	54.151	ug/l	100
64) Tetrachloroethene	10.88	164	113278	62.295	ug/l	99
65) Chlorobenzene	11.67	112	298468	59.077	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	121064	62.941	ug/l	97
67) Ethyl Benzene	11.75	91	554374	65.259	ug/l	99
68) m/p-Xylenes	11.86	106	439191	131.708	ug/l	99
69) o-Xylene	12.18	106	197081	68.955	ug/l	99
70) Styrene	12.20	104	352440	68.821	ug/l	99
71) Bromoform	12.37	173	69194	61.996	ug/l #	99
73) Isopropylbenzene	12.48	105	496249	55.131	ug/l	100
74) N-amyl acetate	12.30	43	114820	57.913	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	85220	50.525	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	55438m	49.273	ug/l	
77) Bromobenzene	12.77	156	129160	53.682	ug/l	97
78) n-propylbenzene	12.83	91	608401	55.640	ug/l	100
79) 2-Chlorotoluene	12.91	91	352581	56.759	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	450197	58.942	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	29059	52.019	ug/l	95
82) 4-Chlorotoluene	13.01	91	376017	56.307	ug/l	100
83) tert-Butylbenzene	13.23	119	374277	58.826	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	447089	58.829	ug/l	99
85) sec-Butylbenzene	13.41	105	518233	57.029	ug/l	100
86) p-Isopropyltoluene	13.53	119	490340	58.644	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	259262	55.601	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	253509	54.105	ug/l	99
89) n-Butylbenzene	13.86	91	437909	57.640	ug/l	99
90) Hexachloroethane	14.12	117	87021	48.085	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	224560	55.569	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12830	48.906	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	149116	54.247	ug/l	99
94) Hexachlorobutadiene	15.28	225	100967	53.275	ug/l	99
95) Naphthalene	15.41	128	255151	53.194	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	141081	57.790	ug/l	99

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

