

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042920\
 Data File : VD065685.D
 Acq On : 29 Apr 2020 18:16
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD042920

Quant Time: Apr 30 07:43:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042920S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 30 07:35:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	726863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1044585	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1020620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	552246	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	304261	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
35) Dibromofluoromethane	7.92	113	342512	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
50) Toluene-d8	10.34	98	1320864	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
62) 4-Bromofluorobenzene	12.64	95	425619	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	139299	48.607	ug/l	94
3) Chloromethane	2.21	50	271041	50.405	ug/l	91
4) Vinyl Chloride	2.35	62	467043	42.764	ug/l	98
5) Bromomethane	2.77	94	426890	49.980	ug/l	99
6) Chloroethane	2.93	64	346352	43.287	ug/l	99
7) Trichlorofluoromethane	3.27	101	945090	43.412	ug/l	98
8) Diethyl Ether	3.71	74	282805	45.894	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	301625	28.600	ug/l	100
10) Methyl Iodide	4.29	142	325259	59.960	ug/l	99
11) Tert butyl alcohol	5.26	59	60110	264.283	ug/l #	95
12) 1,1-Dichloroethene	4.06	96	282152	27.451	ug/l	91
13) Acrolein	3.92	56	160059	236.410	ug/l	99
14) Allyl chloride	4.71	41	285100	51.104	ug/l	98
15) Acrylonitrile	5.44	53	235535	256.018	ug/l	98
16) Acetone	4.17	43	166547	175.903	ug/l	97
17) Carbon Disulfide	4.40	76	827250	47.351	ug/l	100
18) Methyl Acetate	4.73	43	103329	47.136	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	574108	54.329	ug/l	98
20) Methylene Chloride	4.96	84	316744	53.036	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	344845	51.203	ug/l	99
22) Diisopropyl ether	6.37	45	664285	54.020	ug/l	97
23) Vinyl Acetate	6.31	43	1807526	275.919	ug/l	99
24) 1,1-Dichloroethane	6.27	63	495446	48.259	ug/l	98
25) 2-Butanone	7.23	43	248306	238.894	ug/l	95
26) 2,2-Dichloropropane	7.21	77	475807	47.200	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	369501	52.223	ug/l	97
28) Bromochloromethane	7.55	49	176749	47.448	ug/l	99
29) Tetrahydrofuran	7.57	42	159247	257.993	ug/l	99
30) Chloroform	7.71	83	613933	49.284	ug/l	96
31) Cyclohexane	7.99	56	407685	46.385	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	572389	49.198	ug/l	99
36) 1,1-Dichloropropene	8.11	75	450274	48.671	ug/l	99
37) Ethyl Acetate	7.30	43	121016	49.251	ug/l	99
38) Carbon Tetrachloride	8.10	117	533119	46.571	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	521344	50.043	ug/l	99
40) Benzene	8.36	78	1291335	49.396	ug/l	98
41) Methacrylonitrile	7.53	41	52298	43.268	ug/l #	98
42) 1,2-Dichloroethane	8.43	62	351271	48.196	ug/l	98
43) Isopropyl Acetate	8.46	43	227888	48.980	ug/l	98
44) Trichloroethene	9.11	130	393228	49.123	ug/l	95
45) 1,2-Dichloropropane	9.39	63	286290	49.365	ug/l	91
46) Dibromomethane	9.48	93	181990	48.472	ug/l	97
47) Bromodichloromethane	9.67	83	480222	48.678	ug/l	99
48) Methyl methacrylate	9.46	41	106341	51.024	ug/l	97
49) 1,4-Dioxane	9.47	88	39272	1029.974	ug/l #	96
51) 4-Methyl-2-Pentanone	10.23	43	608058	252.157	ug/l	99
52) Toluene	10.41	92	902561	50.737	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	413520	51.341	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	488864	51.056	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	254736	48.582	ug/l	98
56) Ethyl methacrylate	10.67	69	240531	46.991	ug/l	98
57) 1,3-Dichloropropane	10.95	76	397120	49.775	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	532587	249.443	ug/l	100
59) 2-Hexanone	10.99	43	403340	256.886	ug/l	99
60) Dibromochloromethane	11.14	129	355642	49.667	ug/l	98
61) 1,2-Dibromoethane	11.25	107	249939	50.382	ug/l	100
64) Tetrachloroethene	10.88	164	351004	49.169	ug/l	98
65) Chlorobenzene	11.67	112	999089	49.135	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	391574	50.120	ug/l	99
67) Ethyl Benzene	11.75	91	1709311	51.468	ug/l	100
68) m/p-Xylenes	11.86	106	1435591	106.770	ug/l	97
69) o-Xylene	12.18	106	616786	53.327	ug/l	99
70) Styrene	12.20	104	1113322	54.264	ug/l	99
71) Bromoform	12.37	173	214302	49.280	ug/l #	99
73) Isopropylbenzene	12.48	105	1692655	55.158	ug/l	99
74) N-amyl acetate	12.30	43	208438	51.485	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	258272	47.336	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	165143m	44.137	ug/l	
77) Bromobenzene	12.77	156	439352	53.017	ug/l	99
78) n-propylbenzene	12.83	91	1986048	53.994	ug/l	100
79) 2-Chlorotoluene	12.91	91	1091389	53.012	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1457386	55.129	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	80160	51.184	ug/l	98
82) 4-Chlorotoluene	13.01	91	1180706	53.367	ug/l	100
83) tert-Butylbenzene	13.23	119	1234276	55.330	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	1463280	55.504	ug/l	99
85) sec-Butylbenzene	13.41	105	1709547	53.984	ug/l	99
86) p-Isopropyltoluene	13.53	119	1657374	55.144	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	878115	51.835	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	867414	50.849	ug/l	99
89) n-Butylbenzene	13.85	91	1403372	53.132	ug/l	99
90) Hexachloroethane	14.12	117	335894	49.675	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	750194	52.191	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	37921	46.726	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	467338	53.855	ug/l	99
94) Hexachlorobutadiene	15.28	225	303542	49.791	ug/l	97
95) Naphthalene	15.41	128	738018	50.079	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	419045	54.712	ug/l	98

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

