

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040619\
 Data File : VD061645.D
 Acq On : 6 Apr 2019 16:35
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSVVD040619

Quant Time: Apr 08 08:24:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 08:19:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	740596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1224751	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	974578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	442943	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	258326	46.02	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	92.04%	
35) Dibromofluoromethane	6.92	113	393190	46.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.68%	
50) Toluene-d8	10.40	98	969552	45.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.96%	
62) 4-Bromofluorobenzene	13.55	95	360966	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	387318	48.476	ug/l	99
3) Chloromethane	1.75	50	299769	46.428	ug/l	97
4) Vinyl Chloride	1.85	62	315003	52.212	ug/l	99
5) Bromomethane	2.14	94	75149	53.815	ug/l	96
6) Chloroethane	2.26	64	106691	56.460	ug/l	98
7) Trichlorofluoromethane	2.53	101	466518	51.213	ug/l	96
8) Diethyl Ether	2.86	74	139744	54.662	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	438710	48.986	ug/l	95
10) Methyl Iodide	3.30	142	677403	50.668	ug/l	97
11) Tert butyl alcohol	4.04	59	105365	280.061	ug/l #	93
12) 1,1-Dichloroethene	3.12	96	389643	50.468	ug/l	97
13) Acrolein	3.03	56	103273	225.145	ug/l	96
14) Allyl chloride	3.61	41	546275	51.877	ug/l	100
15) Acrylonitrile	4.18	53	330694	255.346	ug/l	100
16) Acetone	3.21	43	417084	248.543	ug/l	99
17) Carbon Disulfide	3.37	76	1322519	52.718	ug/l	99
18) Methyl Acetate	3.63	43	162747	51.547	ug/l	100
19) Methyl tert-butyl Ether	4.22	73	714400	53.440	ug/l	98
20) Methylene Chloride	3.81	84	413217	49.175	ug/l	99
21) trans-1,2-Dichloroethene	4.21	96	431883	51.504	ug/l	98
22) Diisopropyl ether	5.11	45	1132698	51.305	ug/l	99
23) Vinyl Acetate	5.05	43	3105390	254.914	ug/l	99
24) 1,1-Dichloroethane	4.98	63	657356	48.588	ug/l	99
25) 2-Butanone	6.05	43	498507	257.682	ug/l	97
26) 2,2-Dichloropropane	6.01	77	538787	48.909	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	442855	49.505	ug/l	96
28) Bromochloromethane	6.43	49	265339	53.167	ug/l	99
29) Tetrahydrofuran	6.45	42	247233	264.735	ug/l	99
30) Chloroform	6.65	83	725601	51.196	ug/l	98
31) Cyclohexane	6.95	56	549102	51.953	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	642334	51.718	ug/l	97
36) 1,1-Dichloropropene	7.14	75	500409	46.685	ug/l	97
37) Ethyl Acetate	6.17	43	222400	50.940	ug/l #	96
38) Carbon Tetrachloride	7.11	117	683676	54.422	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	536205	48.726	ug/l	99
40) Benzene	7.45	78	1364652	52.773	ug/l	99
41) Methacrylonitrile	6.43	41	274769	53.912	ug/l #	95
42) 1,2-Dichloroethane	7.57	62	427544	52.573	ug/l	99
43) Isopropyl Acetate	9.23	43	338203	53.376	ug/l	96
44) Trichloroethene	8.53	130	507338	51.176	ug/l	95
45) 1,2-Dichloropropane	8.93	63	337747	52.667	ug/l	99
46) Dibromomethane	9.06	93	237634	51.848	ug/l	97
47) Bromodichloromethane	9.37	83	535666	53.214	ug/l	99
48) Methyl methacrylate	9.11	41	184315	50.464	ug/l	98
49) 1,4-Dioxane	9.06	88	43859	1015.135	ug/l	95
51) 4-Methyl-2-Pentanone	10.29	43	1006287	268.542	ug/l	99
52) Toluene	10.50	92	831339	51.484	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	445703	50.512	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	580643	53.381	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	282463	51.866	ug/l	97
56) Ethyl methacrylate	11.03	69	307798	53.574	ug/l	98
57) 1,3-Dichloropropane	11.40	76	423977	53.160	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	692726	255.538	ug/l	98
59) 2-Hexanone	11.53	43	719032	247.248	ug/l	98
60) Dibromochloromethane	11.68	129	449724	52.267	ug/l	97
61) 1,2-Dibromoethane	11.80	107	341540	53.625	ug/l	99
64) Tetrachloroethene	11.25	164	385428	50.949	ug/l	96
65) Chlorobenzene	12.39	112	996851	51.578	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	410984	55.261	ug/l	96
67) Ethyl Benzene	12.52	91	1553202	52.774	ug/l	99
68) m/p-Xylenes	12.67	106	1160326	102.264	ug/l	100
69) o-Xylene	13.04	106	518132	47.307	ug/l	97
70) Styrene	13.07	104	928394	49.634	ug/l	98
71) Bromoform	13.23	173	259952	56.335	ug/l	99
73) Isopropylbenzene	13.40	105	1538910	52.142	ug/l	98
74) N-amyl acetate	13.26	43	442879	55.229	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	322749	52.888	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	310104	51.459	ug/l	97
77) Bromobenzene	13.66	156	429730	50.162	ug/l	94
78) n-propylbenzene	13.77	91	1618091	45.833	ug/l	99
79) 2-Chlorotoluene	13.84	91	1039010	51.464	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1182555	50.482	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	105789	57.850	ug/l	93
82) 4-Chlorotoluene	13.95	91	1126400	50.631	ug/l	97
83) tert-Butylbenzene	14.18	119	1477931	52.327	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1152090	48.730	ug/l	98
85) sec-Butylbenzene	14.36	105	1604383	52.576	ug/l	98
86) p-Isopropyltoluene	14.49	119	1378204	52.062	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	713340	48.384	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	752068	50.556	ug/l	95
89) n-Butylbenzene	14.79	91	1108897	48.273	ug/l	99
90) Hexachloroethane	15.00	117	368151	51.253	ug/l	95
91) 1,2-Dichlorobenzene	14.80	146	622455	51.226	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	42628	52.695	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	329420	53.212	ug/l	96
94) Hexachlorobutadiene	16.03	225	255337	53.415	ug/l	99
95) Naphthalene	16.12	128	512587	52.329	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	181455	58.730	ug/l	98

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

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