

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060619\
 Data File : VD062633.D
 Acq On : 6 Jun 2019 19:36
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060619

Quant Time: Jun 07 05:12:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 05:01:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	744275	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1045599	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	854729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	474985	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	474202	44.48	ug/l	-0.01
Spiked Amount			Recovery	=	88.96%	
35) Dibromofluoromethane	6.92	113	494693	45.09	ug/l	-0.01
Spiked Amount			Recovery	=	90.18%	
50) Toluene-d8	10.41	98	1013291	42.39	ug/l	-0.01
Spiked Amount			Recovery	=	84.78%	
62) 4-Bromofluorobenzene	13.56	95	454874	41.21	ug/l	0.00
Spiked Amount			Recovery	=	82.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	377230	39.371	ug/l	100
3) Chloromethane	1.74	50	313571	43.046	ug/l	97
4) Vinyl Chloride	1.84	62	323635	44.226	ug/l	97
5) Bromomethane	2.15	94	186398	49.337	ug/l	98
6) Chloroethane	2.27	64	179426	49.258	ug/l	99
7) Trichlorofluoromethane	2.52	101	768167	46.122	ug/l	96
8) Diethyl Ether	2.87	74	104359	48.578	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.14	101	421135	46.836	ug/l	91
10) Methyl Iodide	3.30	142	581737	52.983	ug/l	98
11) Tert butyl alcohol	4.08	59	104583	239.215	ug/l #	87
12) 1,1-Dichloroethene	3.12	96	295081	45.796	ug/l	96
13) Acrolein	3.03	56	35494	232.336	ug/l	90
14) Allyl chloride	3.62	41	488542	49.447	ug/l	98
15) Acrylonitrile	4.20	53	252649	257.949	ug/l	98
16) Acetone	3.22	43	480018	247.569	ug/l	96
17) Carbon Disulfide	3.37	76	947932	50.934	ug/l	99
18) Methyl Acetate	3.64	43	139356	51.669	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	796842	50.543	ug/l	98
20) Methylene Chloride	3.81	84	329456	48.679	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	331623	48.023	ug/l	91
22) Diisopropyl ether	5.12	45	1080649	52.312	ug/l #	95
23) Vinyl Acetate	5.05	43	3499808	273.408	ug/l	100
24) 1,1-Dichloroethane	4.98	63	655446	50.225	ug/l	98
25) 2-Butanone	6.08	43	484658	273.877	ug/l	95
26) 2,2-Dichloropropane	6.02	77	684471	46.456	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	367193	50.838	ug/l	97
28) Bromochloromethane	6.43	49	280588	54.866	ug/l #	99
29) Tetrahydrofuran	6.46	42	220540	267.872	ug/l	96
30) Chloroform	6.66	83	826223	49.439	ug/l	99
31) Cyclohexane	6.95	56	461609	56.025	ug/l	93
32) 1,1,1-Trichloroethane	6.87	97	820016	46.201	ug/l	97
36) 1,1-Dichloropropene	7.15	75	544482	47.689	ug/l	91
37) Ethyl Acetate	6.19	43	233122	50.994	ug/l	100
38) Carbon Tetrachloride	7.11	117	843831m	45.261	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	459075	48.223	ug/l	95
40) Benzene	7.46	78	1051190	47.086	ug/l	99
41) Methacrylonitrile	6.45	41	314799	51.329	ug/l	97
42) 1,2-Dichloroethane	7.58	62	646542	47.088	ug/l	99
43) Isopropyl Acetate	9.25	43	320141	49.465	ug/l #	90
44) Trichloroethene	8.54	130	419820	45.351	ug/l	94
45) 1,2-Dichloropropane	8.94	63	279177	49.610	ug/l #	89
46) Dibromomethane	9.06	93	247644	48.914	ug/l	92
47) Bromodichloromethane	9.38	83	661092	49.453	ug/l	95
48) Methyl methacrylate	9.12	41	214748	49.020	ug/l	92
49) 1,4-Dioxane	9.09	88	35370	997.575	ug/l #	76
51) 4-Methyl-2-Pentanone	10.30	43	1061357	235.830	ug/l	97
52) Toluene	10.52	92	713956	46.696	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	551959	49.167	ug/l	95
54) cis-1,3-Dichloropropene	10.04	75	552709	47.395	ug/l	94
55) 1,1,2-Trichloroethane	11.20	97	259260	46.056	ug/l	93
56) Ethyl methacrylate	11.05	69	285891	51.098	ug/l	94
57) 1,3-Dichloropropane	11.41	76	389652	47.622	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.86	63	669255	222.571	ug/l	98
59) 2-Hexanone	11.53	43	808243	249.794	ug/l	99
60) Dibromochloromethane	11.69	129	507192	48.100	ug/l	99
61) 1,2-Dibromoethane	11.81	107	309506	48.369	ug/l	98
64) Tetrachloroethene	11.27	164	423960	51.973	ug/l	95
65) Chlorobenzene	12.41	112	951249	52.717	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	424719	48.123	ug/l	96
67) Ethyl Benzene	12.53	91	1586643	48.849	ug/l	100
68) m/p-Xylenes	12.67	106	1161787	100.500	ug/l	93
69) o-Xylene	13.06	106	551503	50.817	ug/l	86
70) Styrene	13.08	104	925608	50.560	ug/l	99
71) Bromoform	13.23	173	308645	49.426	ug/l	96
73) Isopropylbenzene	13.41	105	1718109	48.905	ug/l	94
74) N-amyl acetate	13.26	43	450565	52.010	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	301435	51.973	ug/l #	97
76) 1,2,3-Trichloropropane	13.74	75	347376	52.463	ug/l	93
77) Bromobenzene	13.68	156	444562	46.073	ug/l	80
78) n-propylbenzene	13.78	91	1999356	49.161	ug/l	100
79) 2-Chlorotoluene	13.84	91	1083575	45.533	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1477402	48.978	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	86173	52.161	ug/l	93
82) 4-Chlorotoluene	13.95	91	1401075	47.505	ug/l	97
83) tert-Butylbenzene	14.19	119	1661427	49.327	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1479188	49.911	ug/l	100
85) sec-Butylbenzene	14.37	105	1658604	47.425	ug/l	99
86) p-Isopropyltoluene	14.49	119	1582074	46.849	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	797302	46.277	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	849425	51.399	ug/l	100
89) n-Butylbenzene	14.80	91	1556766	50.827	ug/l	100
90) Hexachloroethane	15.01	117	435086	50.156	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	749021	50.365	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	62561	50.361	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	558846	49.156	ug/l	94
94) Hexachlorobutadiene	16.04	225	428209	49.400	ug/l	97
95) Naphthalene	16.13	128	803705	52.177	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	440727	50.718	ug/l	99

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

