

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053019\
 Data File : VD062556.D
 Acq On : 30 May 2019 17:13
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD053019

Quant Time: May 31 02:33:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	898760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	1142352	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	1019038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	561498	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.48	65	554485	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
35) Dibromofluoromethane	6.95	113	585955	56.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.58%	
50) Toluene-d8	10.43	98	1232129	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	
62) 4-Bromofluorobenzene	13.56	95	527461	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	505541	48.498	ug/l	97
3) Chloromethane	1.75	50	450337	44.727	ug/l	98
4) Vinyl Chloride	1.86	62	410685	51.577	ug/l	99
5) Bromomethane	2.16	94	163079	63.067	ug/l	96
6) Chloroethane	2.28	64	196680	52.674	ug/l	97
7) Trichlorofluoromethane	2.55	101	878830	52.227	ug/l	98
8) Diethyl Ether	2.88	74	120622	55.879	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.16	101	508594	51.182	ug/l	89
10) Methyl Iodide	3.31	142	692465	61.415	ug/l	99
11) Tert butyl alcohol	4.09	59	110704	246.293	ug/l #	93
12) 1,1-Dichloroethene	3.14	96	377054	53.638	ug/l	97
13) Acrolein	3.05	56	46933	239.640	ug/l	83
14) Allyl chloride	3.63	41	582509	53.049	ug/l	98
15) Acrylonitrile	4.21	53	290614	270.463	ug/l	94
16) Acetone	3.24	43	568175	274.408	ug/l	95
17) Carbon Disulfide	3.38	76	1192453	52.186	ug/l	97
18) Methyl Acetate	3.66	43	148451	43.927	ug/l	94
19) Methyl tert-butyl Ether	4.26	73	885296	51.988	ug/l	97
20) Methylene Chloride	3.84	84	365893	47.737	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	422342	52.943	ug/l	98
22) Diisopropyl ether	5.15	45	1149287	51.233	ug/l	98
23) Vinyl Acetate	5.09	43	3592811	264.102	ug/l	97
24) 1,1-Dichloroethane	5.01	63	748354	51.695	ug/l	98
25) 2-Butanone	6.10	43	500490	256.657	ug/l	94
26) 2,2-Dichloropropane	6.04	77	853586	53.151	ug/l	98
27) cis-1,2-Dichloroethene	6.06	96	456167	55.630	ug/l	94
28) Bromochloromethane	6.45	49	263043	52.585	ug/l	88
29) Tetrahydrofuran	6.48	42	222496	254.713	ug/l	97
30) Chloroform	6.68	83	895648	51.344	ug/l	96
31) Cyclohexane	6.98	56	491141	50.181	ug/l	94
32) 1,1,1-Trichloroethane	6.89	97	971625	53.521	ug/l	96
36) 1,1-Dichloropropene	7.16	75	654762	57.578	ug/l	96
37) Ethyl Acetate	6.21	43	249810	52.107	ug/l	97
38) Carbon Tetrachloride	7.13	117	1013118m	59.840	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	545247	56.633	ug/l	98
40) Benzene	7.48	78	1313433	58.848	ug/l	100
41) Methacrylonitrile	6.47	41	313655	55.596	ug/l	91
42) 1,2-Dichloroethane	7.60	62	711269	57.212	ug/l	97
43) Isopropyl Acetate	9.26	43	323622	54.236	ug/l #	96
44) Trichloroethene	8.56	130	497725	55.821	ug/l	97
45) 1,2-Dichloropropane	8.96	63	314768	57.524	ug/l	99
46) Dibromomethane	9.08	93	262605	57.135	ug/l	95
47) Bromodichloromethane	9.40	83	709096	55.994	ug/l	98
48) Methyl methacrylate	9.14	41	220333	55.441	ug/l	97
49) 1,4-Dioxane	9.09	88	40437	1252.687	ug/l #	87
51) 4-Methyl-2-Pentanone	10.32	43	1109329	266.478	ug/l	97
52) Toluene	10.52	92	877077	57.618	ug/l	98
53) t-1,3-Dichloropropene	10.93	75	630921	58.967	ug/l	98
54) cis-1,3-Dichloropropene	10.06	75	625456	56.226	ug/l	97
55) 1,1,2-Trichloroethane	11.21	97	266325	53.284	ug/l	97
56) Ethyl methacrylate	11.06	69	324568	60.925	ug/l	96
57) 1,3-Dichloropropane	11.43	76	436081	56.596	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.87	63	676022	247.427	ug/l	98
59) 2-Hexanone	11.54	43	846871	290.027	ug/l	97
60) Dibromochloromethane	11.70	129	543918	55.999	ug/l	100
61) 1,2-Dibromoethane	11.82	107	353783	58.840	ug/l	98
64) Tetrachloroethene	11.28	164	449808	49.933	ug/l	95
65) Chlorobenzene	12.41	112	1042566	52.517	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.53	131	491943	52.398	ug/l	96
67) Ethyl Benzene	12.54	91	1880080	51.690	ug/l	97
68) m/p-Xylenes	12.68	106	1366356	108.595	ug/l	98
69) o-Xylene	13.06	106	612862	51.061	ug/l	90
70) Styrene	13.08	104	1023860	50.239	ug/l	95
71) Bromoform	13.25	173	349324	53.003	ug/l	92
73) Isopropylbenzene	13.41	105	1921698	51.913	ug/l	100
74) N-amyl acetate	13.28	43	483083	51.182	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	310824	52.944	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	367255	54.518	ug/l	94
77) Bromobenzene	13.68	156	492987	48.573	ug/l	91
78) n-propylbenzene	13.79	91	2250563	52.746	ug/l	94
79) 2-Chlorotoluene	13.85	91	1299911	52.542	ug/l	96
80) 1,3,5-Trimethylbenzene	13.95	105	1518875	48.018	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	94498	48.956	ug/l	89
82) 4-Chlorotoluene	13.96	91	1464878	49.458	ug/l	95
83) tert-Butylbenzene	14.20	119	1732238	49.079	ug/l	91
84) 1,2,4-Trimethylbenzene	14.25	105	1542152	47.846	ug/l	95
85) sec-Butylbenzene	14.38	105	1943803	51.988	ug/l	100
86) p-Isopropyltoluene	14.50	119	1812465	51.885	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	932583	53.007	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	923633	52.387	ug/l	99
89) n-Butylbenzene	14.80	91	1686306	54.077	ug/l	99
90) Hexachloroethane	15.02	117	485159	52.350	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	788944	53.306	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	63209	51.924	ug/l #	54

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	579030	48.928	ug/l	99
94) Hexachlorobutadiene	16.04	225	450116	51.523	ug/l	99
95) Naphthalene	16.13	128	830614	51.538	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	427949	48.410	ug/l	97

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

