

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060519\
 Data File : VD062617.D
 Acq On : 5 Jun 2019 17:41
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060519

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 12:21:40 PM

Quant Time: Jun 06 05:55:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 06 05:42:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	825766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	1117862	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	937780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	517115	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	559588	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
35) Dibromofluoromethane	6.94	113	567650	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
50) Toluene-d8	10.42	98	1264485	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
62) 4-Bromofluorobenzene	13.56	95	570729	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	410432	44.499	ug/l	97
3) Chloromethane	1.75	50	347269	43.545	ug/l	99
4) Vinyl Chloride	1.86	62	385243	49.266	ug/l	96
5) Bromomethane	2.16	94	204689	51.887	ug/l	96
6) Chloroethane	2.28	64	200834	50.920	ug/l	95
7) Trichlorofluoromethane	2.54	101	858727	49.222	ug/l	98
8) Diethyl Ether	2.88	74	124256	54.805	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.16	101	486534	49.604	ug/l	96
10) Methyl Iodide	3.31	142	646951	51.532	ug/l	95
11) Tert butyl alcohol	4.09	59	124047	244.728	ug/l #	90
12) 1,1-Dichloroethene	3.14	96	347688	48.317	ug/l	83
13) Acrolein	3.05	56	41538	231.742	ug/l	98
14) Allyl chloride	3.63	41	572790	52.284	ug/l	96
15) Acrylonitrile	4.21	53	274958	248.838	ug/l #	83
16) Acetone	3.24	43	571775	281.067	ug/l #	90
17) Carbon Disulfide	3.38	76	1105763	52.739	ug/l	95
18) Methyl Acetate	3.65	43	167902	46.420	ug/l	97
19) Methyl tert-butyl Ether	4.26	73	861435	49.422	ug/l	97
20) Methylene Chloride	3.83	84	359460	45.402	ug/l	95
21) trans-1,2-Dichloroethene	4.23	96	395033	50.446	ug/l	97
22) Diisopropyl ether	5.14	45	1161536	50.190	ug/l	99
23) Vinyl Acetate	5.08	43	3768296	267.162	ug/l	99
24) 1,1-Dichloroethane	5.00	63	741643	50.863	ug/l	99
25) 2-Butanone	6.09	43	523299	270.801	ug/l	96
26) 2,2-Dichloropropane	6.04	77	839289	52.686	ug/l	94
27) cis-1,2-Dichloroethene	6.05	96	430353	50.965	ug/l	92
28) Bromochloromethane	6.45	49	317995	57.642	ug/l	95
29) Tetrahydrofuran	6.48	42	225188	251.033	ug/l	96
30) Chloroform	6.68	83	922593	50.873	ug/l	95
31) Cyclohexane	6.97	56	504579	54.132	ug/l	96
32) 1,1,1-Trichloroethane	6.89	97	935723	50.974	ug/l	98
36) 1,1-Dichloropropene	7.16	75	597740	49.734	ug/l	96
37) Ethyl Acetate	6.20	43	245511	50.620	ug/l	96
38) Carbon Tetrachloride	7.12	117	918505m	50.918	ug/l	

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

39) Methylcyclohexane	8.88	83	512997	49.923	ug/l	98
40) Benzene	7.47	78	1162449	48.970	ug/l	100
41) Methacrylonitrile	6.46	41	325275	51.788	ug/l	98
42) 1,2-Dichloroethane	7.60	62	702740	50.295	ug/l	100
43) Isopropyl Acetate	9.25	43	352068	52.814	ug/l	100
44) Trichloroethene	8.55	130	478933	49.753	ug/l	98
45) 1,2-Dichloropropane	8.96	63	301096	50.655	ug/l	91
46) Dibromomethane	9.07	93	259317	50.146	ug/l	99
47) Bromodichloromethane	9.39	83	722690	51.885	ug/l	97
48) Methyl methacrylate	9.13	41	223526	49.305	ug/l	93
49) 1,4-Dioxane	9.09	88	36064	1002.342	ug/l #	92
51) 4-Methyl-2-Pentanone	10.31	43	1173372	270.323	ug/l	98
52) Toluene	10.52	92	826947	52.522	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	627637	54.270	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	644598	54.733	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	259649	48.068	ug/l	99
56) Ethyl methacrylate	11.05	69	305702	50.780	ug/l	96
57) 1,3-Dichloropropane	11.42	76	442701	52.493	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	682965	221.190	ug/l	97
59) 2-Hexanone	11.54	43	852024	258.874	ug/l	95
60) Dibromochloromethane	11.69	129	546732	51.799	ug/l	96
61) 1,2-Dibromoethane	11.82	107	346127	52.318	ug/l	100
64) Tetrachloroethene	11.27	164	427871	50.520	ug/l	97
65) Chlorobenzene	12.41	112	1000627	51.350	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	473336	50.532	ug/l	98
67) Ethyl Benzene	12.53	91	1783157	50.629	ug/l	98
68) m/p-Xylenes	12.68	106	1249263	101.688	ug/l	95
69) o-Xylene	13.06	106	578447	48.868	ug/l	100
70) Styrene	13.08	104	1054738	53.040	ug/l	99
71) Bromoform	13.25	173	330022	51.011	ug/l #	95
73) Isopropylbenzene	13.41	105	1833652	50.996	ug/l	97
74) N-amyl acetate	13.28	43	472391	50.880	ug/l	92
75) 1,1,2,2-Tetrachloroethane	13.71	83	310183	51.461	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	337056	49.967	ug/l	98
77) Bromobenzene	13.68	156	517920	51.785	ug/l	84
78) n-propylbenzene	13.78	91	2014777	48.316	ug/l	99
79) 2-Chlorotoluene	13.85	91	1279540	50.612	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	1605419	51.880	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	98901	57.039	ug/l	87
82) 4-Chlorotoluene	13.96	91	1564768	52.598	ug/l	97
83) tert-Butylbenzene	14.20	119	1775715	52.113	ug/l	88
84) 1,2,4-Trimethylbenzene	14.24	105	1585306	50.051	ug/l	100
85) sec-Butylbenzene	14.38	105	1916097	54.575	ug/l	95
86) p-Isopropyltoluene	14.50	119	1689286	50.046	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	864064	51.476	ug/l	95
88) 1,4-Dichlorobenzene	14.55	146	901564	53.033	ug/l	97
89) n-Butylbenzene	14.80	91	1544624	49.214	ug/l	98
90) Hexachloroethane	15.02	117	463865	52.214	ug/l	73
91) 1,2-Dichlorobenzene	14.81	146	730653	47.141	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	62813	50.944	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	567042	50.917	ug/l	96
94) Hexachlorobutadiene	16.04	225	444762	53.243	ug/l	98
95) Naphthalene	16.13	128	858976	53.863	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	422881	49.658	ug/l	95

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

