

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012819\
 Data File : VD060797.D
 Acq On : 28 Jan 2019 18:04
 Operator : JC/SY
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSV012819

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 4:55:56 PM

Quant Time: Jan 29 14:12:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.80	168	606156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.98	114	837415	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.15	117	693691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	352065	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.21	65	440861	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
35) Dibromofluoromethane	6.68	113	398516	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	10.18	98	941960	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
62) 4-Bromofluorobenzene	13.35	95	447670	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	410596	55.713	ug/l	95
3) Chloromethane	1.76	50	231906	52.557	ug/l	91
4) Vinyl Chloride	1.85	62	247711	52.888	ug/l	93
5) Bromomethane	2.13	94	76629	51.792	ug/l	94
6) Chloroethane	2.24	64	99666	56.791	ug/l #	87
7) Trichlorofluoromethane	2.49	101	477857	51.830	ug/l	98
8) Diethyl Ether	2.80	74	73428	54.048	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.06	101	240731	51.521	ug/l	97
10) Methyl Iodide	3.21	142	259826	53.113	ug/l	98
11) Tert butyl alcohol	3.92	59	120980	272.418	ug/l	99
12) 1,1-Dichloroethene	3.04	96	167608	52.493	ug/l	97
13) Acrolein	2.95	56	41443	279.080	ug/l	89
14) Allyl chloride	3.50	41	383860	51.660	ug/l #	96
15) Acrylonitrile	4.03	53	279008	280.394	ug/l	96
16) Acetone	3.13	43	327317	243.866	ug/l	99
17) Carbon Disulfide	3.28	76	541080	47.840	ug/l	97
18) Methyl Acetate	3.52	43	138439	52.029	ug/l	94
19) Methyl tert-butyl Ether	4.07	73	793711	54.449	ug/l	96
20) Methylene Chloride	3.68	84	302649	51.411	ug/l	96
21) trans-1,2-Dichloroethene	4.05	96	301280	53.525	ug/l	98
22) Diisopropyl ether	4.89	45	992546	51.836	ug/l	90
23) Vinyl Acetate	4.83	43	2910418	263.945	ug/l	100
24) 1,1-Dichloroethane	4.77	63	653768	52.156	ug/l	99
25) 2-Butanone	5.83	43	491101	285.864	ug/l	97
26) 2,2-Dichloropropane	5.78	77	690842	52.306	ug/l	99
27) cis-1,2-Dichloroethene	5.79	96	347381	54.187	ug/l	87
28) Bromochloromethane	6.20	49	248886	50.898	ug/l	93
29) Tetrahydrofuran	6.23	42	210924	255.666	ug/l	98
30) Chloroform	6.42	83	759649	51.274	ug/l	97
31) Cyclohexane	6.72	56	447520	52.473	ug/l	93
32) 1,1,1-Trichloroethane	6.63	97	743469	52.110	ug/l	97
36) 1,1-Dichloropropene	6.91	75	517926	51.800	ug/l	98
37) Ethyl Acetate	5.93	43	215746	48.338	ug/l	98
38) Carbon Tetrachloride	6.87	117	659816	52.626	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	405717	48.454	ug/l	92
40) Benzene	7.21	78	1018324	51.603	ug/l	96
41) Methacrylonitrile	6.20	41	127914m	45.127	ug/l	
42) 1,2-Dichloroethane	7.34	62	617015	53.822	ug/l	100
43) Isopropyl Acetate	9.00	43	324218	55.695	ug/l #	99
44) Trichloroethene	8.30	130	367234	54.895	ug/l	95
45) 1,2-Dichloropropane	8.71	63	272472	51.006	ug/l	97
46) Dibromomethane	8.83	93	220116	53.079	ug/l	96
47) Bromodichloromethane	9.14	83	575078	51.377	ug/l	98
48) Methyl methacrylate	8.88	41	207106	51.592	ug/l	95
49) 1,4-Dioxane	8.86	88	36057	1035.088	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	1003082	266.082	ug/l	100
52) Toluene	10.28	92	637964	50.965	ug/l	99
53) t-1,3-Dichloropropene	10.69	75	535084	54.346	ug/l	95
54) cis-1,3-Dichloropropene	9.81	75	549887	54.463	ug/l	98
55) 1,1,2-Trichloroethane	10.97	97	225925	52.937	ug/l	93
56) Ethyl methacrylate	10.82	69	281090	54.370	ug/l	95
57) 1,3-Dichloropropane	11.19	76	359860	49.337	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.63	63	689022	254.002	ug/l	99
59) 2-Hexanone	11.32	43	752398	265.440	ug/l	98
60) Dibromochloromethane	11.47	129	394331	51.395	ug/l	99
61) 1,2-Dibromoethane	11.59	107	260866	51.902	ug/l	100
64) Tetrachloroethene	11.04	164	293951	46.172	ug/l	97
65) Chlorobenzene	12.19	112	777934	49.074	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.30	131	340505	49.996	ug/l	98
67) Ethyl Benzene	12.31	91	1389953	48.761	ug/l	98
68) m/p-Xylenes	12.46	106	880102	94.899	ug/l	97
69) o-Xylene	12.84	106	411753	44.858	ug/l	91
70) Styrene	12.87	104	661403	42.969	ug/l	95
71) Bromoform	13.03	173	263463	51.343	ug/l #	96
73) Isopropylbenzene	13.20	105	1234495	43.979	ug/l	100
74) N-amyl acetate	13.06	43	437607	50.710	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.50	83	244491	47.835	ug/l	98
76) 1,2,3-Trichloropropane	13.53	75	307897	47.691	ug/l	99
77) Bromobenzene	13.47	156	350050	48.512	ug/l	87
78) n-propylbenzene	13.57	91	1597664	45.339	ug/l	95
79) 2-Chlorotoluene	13.64	91	1040946	48.432	ug/l	96
80) 1,3,5-Trimethylbenzene	14.03	105	1103885	45.680	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.28	75	80962	48.102	ug/l	87
82) 4-Chlorotoluene	13.75	91	1173558	49.128	ug/l	96
83) tert-Butylbenzene	13.99	119	1222771	48.364	ug/l	89
84) 1,2,4-Trimethylbenzene	14.03	105	1103885	45.680	ug/l	97
85) sec-Butylbenzene	14.17	105	1416637	49.224	ug/l	95
86) p-Isopropyltoluene	14.29	119	1134870	48.570	ug/l	98
87) 1,3-Dichlorobenzene	14.26	146	636177	49.292	ug/l	94
88) 1,4-Dichlorobenzene	14.34	146	599215	47.784	ug/l	96
89) n-Butylbenzene	14.60	91	1069053	43.852	ug/l	98
90) Hexachloroethane	14.81	117	345636	49.709	ug/l	89
91) 1,2-Dichlorobenzene	14.61	146	482378	45.029	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.19	75	61655	50.775	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	463810	50.002	ug/l	98
94) Hexachlorobutadiene	15.84	225	330302	47.459	ug/l	97
95) Naphthalene	15.92	128	725820	50.928	ug/l	100
96) 1,2,3-Trichlorobenzene	16.07	180	380958	47.231	ug/l	97

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

