

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012819\
 Data File : VD060793.D
 Acq On : 28 Jan 2019 16:10
 Operator : JC/SY
 Sample : VSTDIC020
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 4:55:36 PM

Quant Time: Jan 29 13:57:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 12:47:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.79	168	554012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.98	114	809151	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.17	117	636342	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.32	152	336340	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.22	65	171224	20.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.32%	
35) Dibromofluoromethane	6.68	113	153603	19.79	ug/l	0.01
Spiked Amount	50.000		Recovery	=	39.58%	
50) Toluene-d8	10.19	98	364817	20.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.26%	
62) 4-Bromofluorobenzene	13.36	95	184863	20.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.58	85	115490	17.146	ug/l	97
3) Chloromethane	1.76	50	78052	19.354	ug/l	99
4) Vinyl Chloride	1.85	62	78960	18.445	ug/l	92
5) Bromomethane	2.14	94	23328m	16.229	ug/l	
6) Chloroethane	2.23	64	25233m	16.377	ug/l	
7) Trichlorofluoromethane	2.48	101	155094	18.405	ug/l	99
8) Diethyl Ether	2.81	74	23598	19.005	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.06	101	84758	19.847	ug/l	94
10) Methyl Iodide	3.21	142	87925	19.665	ug/l	93
11) Tert butyl alcohol	3.93	59	43155	106.321	ug/l #	91
12) 1,1-Dichloroethene	3.04	96	56318	19.298	ug/l	98
13) Acrolein	2.95	56	19149m	116.205	ug/l	
14) Allyl chloride	3.50	41	128569	18.931	ug/l	92
15) Acrylonitrile	4.04	53	94556	103.970	ug/l	96
16) Acetone	3.13	43	110188	90.167	ug/l	98
17) Carbon Disulfide	3.28	76	211633	20.473	ug/l #	95
18) Methyl Acetate	3.51	43	45806	18.836	ug/l #	90
19) Methyl tert-butyl Ether	4.08	73	270425	20.297	ug/l	97
20) Methylene Chloride	3.68	84	127430	20.379	ug/l	97
21) trans-1,2-Dichloroethene	4.06	96	110376	21.455	ug/l	93
22) Diisopropyl ether	4.89	45	351191	20.067	ug/l	89
23) Vinyl Acetate	4.83	43	1033415	102.541	ug/l	100
24) 1,1-Dichloroethane	4.76	63	215895	18.844	ug/l	97
25) 2-Butanone	5.84	43	147117	93.695	ug/l	99
26) 2,2-Dichloropropane	5.79	77	237968	19.713	ug/l	99
27) cis-1,2-Dichloroethene	5.80	96	115839	19.770	ug/l	94
28) Bromochloromethane	6.20	49	91783	20.537	ug/l	90
29) Tetrahydrofuran	6.23	42	73771	97.836	ug/l	98
30) Chloroform	6.42	83	265058	19.574	ug/l	98
31) Cyclohexane	6.71	56	146872	18.842	ug/l	94
32) 1,1,1-Trichloroethane	6.63	97	260174	19.952	ug/l	98
36) 1,1-Dichloropropene	6.91	75	174133	18.024	ug/l	98
37) Ethyl Acetate	5.95	43	80929	18.765	ug/l #	94
38) Carbon Tetrachloride	6.87	117	221278	18.265	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.62	83	156000	19.281	ug/l	97
40) Benzene	7.22	78	354321	18.582	ug/l	97
41) Methacrylonitrile	6.21	41	50878m	17.941	ug/l	
42) 1,2-Dichloroethane	7.34	62	214914	19.402	ug/l	99
43) Isopropyl Acetate	9.01	43	106067	18.857	ug/l	99
44) Trichloroethene	8.31	130	121099	18.734	ug/l	90
45) 1,2-Dichloropropane	8.71	63	101047	19.577	ug/l	97
46) Dibromomethane	8.83	93	78476	19.585	ug/l	93
47) Bromodichloromethane	9.14	83	217704	20.129	ug/l	96
48) Methyl methacrylate	8.89	41	67331	17.359	ug/l	95
49) 1,4-Dioxane	8.86	88	11666	387.929	ug/l #	82
51) 4-Methyl-2-Pentanone	10.08	43	361153	99.147	ug/l	100
52) Toluene	10.29	92	226000	18.685	ug/l	93
53) t-1,3-Dichloropropene	10.69	75	184542	19.398	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	186883	19.156	ug/l	96
55) 1,1,2-Trichloroethane	10.98	97	78411	19.014	ug/l	96
56) Ethyl methacrylate	10.83	69	94689	18.955	ug/l	94
57) 1,3-Dichloropropane	11.19	76	139666	19.817	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.63	63	277554	105.892	ug/l	98
59) 2-Hexanone	11.32	43	256702	93.726	ug/l	97
60) Dibromochloromethane	11.48	129	139139	18.768	ug/l	98
61) 1,2-Dibromoethane	11.60	107	85732	17.653	ug/l	96
64) Tetrachloroethene	11.03	164	114401	19.589	ug/l	94
65) Chlorobenzene	12.20	112	277118	19.057	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.30	131	119634	19.149	ug/l	97
67) Ethyl Benzene	12.31	91	514000	19.657	ug/l	100
68) m/p-Xylenes	12.46	106	348932	41.015	ug/l	97
69) o-Xylene	12.85	106	163782	19.451	ug/l	98
70) Styrene	12.88	104	263900	18.690	ug/l	95
71) Bromoform	13.03	173	90209	19.164	ug/l	98
73) Isopropylbenzene	13.20	105	494738	18.449	ug/l	99
74) N-amyl acetate	13.06	43	145530	17.653	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.51	83	90617	18.558	ug/l	94
76) 1,2,3-Trichloropropane	13.54	75	114331	18.537	ug/l	96
77) Bromobenzene	13.48	156	129189	18.741	ug/l	88
78) n-propylbenzene	13.57	91	657287	19.525	ug/l	96
79) 2-Chlorotoluene	13.64	91	401946	19.576	ug/l	95
80) 1,3,5-Trimethylbenzene	14.05	105	459218	19.892	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.28	75	31229	19.421	ug/l	89
82) 4-Chlorotoluene	13.75	91	472661	20.712	ug/l	98
83) tert-Butylbenzene	14.00	119	497862	20.613	ug/l	87
84) 1,2,4-Trimethylbenzene	14.05	105	459218	19.892	ug/l	96
85) sec-Butylbenzene	14.18	105	520505	18.931	ug/l	94
86) p-Isopropyltoluene	14.29	119	434410	19.461	ug/l	98
87) 1,3-Dichlorobenzene	14.26	146	232637	18.868	ug/l	95
88) 1,4-Dichlorobenzene	14.34	146	215859	18.018	ug/l	97
89) n-Butylbenzene	14.61	91	455279	19.548	ug/l	97
90) Hexachloroethane	14.82	117	120163	18.090	ug/l	89
91) 1,2-Dichlorobenzene	14.62	146	200830	19.623	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.19	75	20423	17.605	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	179471	20.253	ug/l	98
94) Hexachlorobutadiene	15.85	225	130877	19.684	ug/l	96
95) Naphthalene	15.93	128	274207	20.140	ug/l	99
96) 1,2,3-Trichlorobenzene	16.08	180	149786	19.439	ug/l	97

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

