

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012319\
 Data File : VD060783.D
 Acq On : 23 Jan 2019 15:41
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 12:48:47 PM

Quant Time: Jan 24 06:46:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 24 05:41:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.80	168	697398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.98	114	920451	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	732328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	386436	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.22	65	48656	5.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.60%	
35) Dibromofluoromethane	6.68	113	44164	5.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.86%	
50) Toluene-d8	10.18	98	111924	5.81	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	11.62%	
62) 4-Bromofluorobenzene	13.35	95	49349	5.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	44954	5.092	ug/l	96
3) Chloromethane	1.77	50	28468	6.156	ug/l #	84
4) Vinyl Chloride	1.86	62	25650	4.898	ug/l #	88
5) Bromomethane	2.16	94	7529	4.913	ug/l	90
6) Chloroethane	2.25	64	8054m	4.291	ug/l	
7) Trichlorofluoromethane	2.50	101	55750	5.542	ug/l	84
8) Diethyl Ether	2.82	74	7442	6.256	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.07	101	24250	4.869	ug/l	94
10) Methyl Iodide	3.22	142	27646m	5.156	ug/l	
11) Tert butyl alcohol	3.93	59	13795	26.002	ug/l #	86
12) 1,1-Dichloroethene	3.05	96	19586	5.645	ug/l	89
13) Acrolein	2.97	56	6355	32.073	ug/l	96
14) Allyl chloride	3.50	41	39109	5.299	ug/l	93
15) Acrylonitrile	4.05	53	33937	27.491	ug/l	97
16) Acetone	3.13	43	38945	30.563	ug/l	94
17) Carbon Disulfide	3.30	76	65375	5.711	ug/l	95
18) Methyl Acetate	3.52	43	23120	8.621	ug/l #	75
19) Methyl tert-butyl Ether	4.09	73	89585	5.450	ug/l #	91
20) Methylene Chloride	3.69	84	49728	7.385	ug/l	92
21) trans-1,2-Dichloroethene	4.07	96	36421	5.504	ug/l	92
22) Diisopropyl ether	4.90	45	122435	5.403	ug/l	93
23) Vinyl Acetate	4.83	43	313127	24.148	ug/l	98
24) 1,1-Dichloroethane	4.77	63	73983	5.405	ug/l	97
25) 2-Butanone	5.85	43	50641	25.339	ug/l	94
26) 2,2-Dichloropropane	5.79	77	74767	5.512	ug/l	93
27) cis-1,2-Dichloroethene	5.81	96	41358	6.049	ug/l	96
28) Bromochloromethane	6.21	49	25731	4.632	ug/l #	84
29) Tetrahydrofuran	6.23	42	24449	25.394	ug/l	97
30) Chloroform	6.43	83	83728	5.234	ug/l	98
31) Cyclohexane	6.72	56	58506	5.803	ug/l	96
32) 1,1,1-Trichloroethane	6.63	97	80531	5.349	ug/l	96
36) 1,1-Dichloropropene	6.91	75	66476	6.277	ug/l	97
37) Ethyl Acetate	5.95	43	28775	6.537	ug/l #	91
38) Carbon Tetrachloride	6.87	117	73113	5.601	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.62	83	60169	6.372	ug/l	93
40) Benzene	7.22	78	135302	6.265	ug/l	99
41) Methacrylonitrile	6.23	41	19628m	5.971	ug/l	
42) 1,2-Dichloroethane	7.34	62	58439	4.988	ug/l	95
43) Isopropyl Acetate	9.01	43	38093	5.634	ug/l	94
44) Trichloroethene	8.31	130	40518	5.289	ug/l	79
45) 1,2-Dichloropropane	8.70	63	32976	5.885	ug/l	97
46) Dibromomethane	8.83	93	23841	5.201	ug/l	98
47) Bromodichloromethane	9.14	83	58823	5.209	ug/l	91
48) Methyl methacrylate	8.89	41	25431	5.574	ug/l	93
49) 1,4-Dioxane	8.86	88	3854	100.072	ug/l #	67
51) 4-Methyl-2-Pentanone	10.08	43	122211	27.480	ug/l	99
52) Toluene	10.29	92	81623	6.040	ug/l	96
53) t-1,3-Dichloropropene	10.69	75	58332	5.279	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	55790	5.315	ug/l	97
55) 1,1,2-Trichloroethane	10.98	97	27436	5.722	ug/l	93
56) Ethyl methacrylate	10.82	69	30425	5.468	ug/l	97
57) 1,3-Dichloropropane	11.19	76	43527	5.182	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.63	63	84619	26.917	ug/l	93
59) 2-Hexanone	11.32	43	88140	26.860	ug/l	97
60) Dibromochloromethane	11.47	129	40666	5.350	ug/l	99
61) 1,2-Dibromoethane	11.59	107	29034	5.339	ug/l	89
64) Tetrachloroethene	11.04	164	41976	6.544	ug/l	97
65) Chlorobenzene	12.19	112	90358	6.155	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.31	131	41873	6.409	ug/l	98
67) Ethyl Benzene	12.31	91	182081	6.657	ug/l	99
68) m/p-Xylenes	12.46	106	118942	13.268	ug/l	99
69) o-Xylene	12.85	106	55640	6.608	ug/l	96
70) Styrene	12.87	104	99194	6.690	ug/l	90
71) Bromoform	13.03	173	27114	5.622	ug/l	99
73) Isopropylbenzene	13.20	105	173541	6.115	ug/l	95
74) N-amyl acetate	13.06	43	53306	5.930	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.50	83	30718	5.826	ug/l	97
76) 1,2,3-Trichloropropane	13.54	75	33775	5.270	ug/l	97
77) Bromobenzene	13.47	156	41282	5.379	ug/l	94
78) n-propylbenzene	13.57	91	215368	6.056	ug/l	98
79) 2-Chlorotoluene	13.63	91	128200	6.214	ug/l	95
80) 1,3,5-Trimethylbenzene	14.04	105	145603	5.994	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.27	75	9899	5.593	ug/l	98
82) 4-Chlorotoluene	13.74	91	154431	6.464	ug/l	95
83) tert-Butylbenzene	13.99	119	156554	6.265	ug/l	92
84) 1,2,4-Trimethylbenzene	14.04	105	145603	5.994	ug/l	94
85) sec-Butylbenzene	14.17	105	157976	5.190	ug/l	99
86) p-Isopropyltoluene	14.29	119	163652	6.535	ug/l	96
87) 1,3-Dichlorobenzene	14.25	146	81920	6.422	ug/l	97
88) 1,4-Dichlorobenzene	14.34	146	79030	6.053	ug/l	94
89) n-Butylbenzene	14.60	91	158921m	6.750	ug/l	
90) Hexachloroethane	14.81	117	38640	5.251	ug/l	94
91) 1,2-Dichlorobenzene	14.61	146	70705	6.705	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.18	75	6249	4.846	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	62402	6.507	ug/l	95
94) Hexachlorobutadiene	15.84	225	43373	5.986	ug/l	97
95) Naphthalene	15.93	128	88756	6.072	ug/l	97
96) 1,2,3-Trichlorobenzene	16.08	180	48406	5.898	ug/l	97

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

