

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041520\
 Data File : VD065633.D
 Acq On : 15 Apr 2020 13:29
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/29/2020 2:19:04 PM

Quant Time: Apr 15 19:37:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 18:47:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	243984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	365118	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	339114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	170147	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	10854	4.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.46%	
35) Dibromofluoromethane	7.91	113	11100	4.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.86%	
50) Toluene-d8	10.34	98	39490	4.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.66%	
62) 4-Bromofluorobenzene	12.64	95	13198	4.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	10333	4.749	ug/l	98
3) Chloromethane	2.21	50	11565	4.355	ug/l	98
4) Vinyl Chloride	2.35	62	13168	5.236	ug/l	92
5) Bromomethane	2.77	94	7017	4.084	ug/l	95
6) Chloroethane	2.92	64	7759	5.011	ug/l	97
7) Trichlorofluoromethane	3.27	101	18829	4.962	ug/l	97
8) Diethyl Ether	3.70	74	3421	4.389	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	8060	3.443	ug/l	93
10) Methyl Iodide	4.29	142	8250	3.588	ug/l	98
11) Tert butyl alcohol	5.26	59	2438m	22.057	ug/l	
12) 1,1-Dichloroethene	4.06	96	7329	3.405	ug/l #	83
13) Acrolein	3.92	56	1950	12.678	ug/l	99
14) Allyl chloride	4.71	41	10163	3.180	ug/l	97
15) Acrylonitrile	5.43	53	9988	22.338	ug/l	99
16) Acetone	4.16	43	8201	20.603	ug/l	96
17) Carbon Disulfide	4.40	76	24378	3.406	ug/l	98
18) Methyl Acetate	4.72	43	4391	3.794	ug/l #	77
19) Methyl tert-butyl Ether	5.48	73	17707	4.177	ug/l	93
20) Methylene Chloride	4.96	84	14775	5.725	ug/l	86
21) trans-1,2-Dichloroethene	5.47	96	12023	4.914	ug/l	97
22) Diisopropyl ether	6.36	45	27064	4.065	ug/l #	81
23) Vinyl Acetate	6.30	43	67605	19.039	ug/l	95
24) 1,1-Dichloroethane	6.26	63	21917	5.006	ug/l	97
25) 2-Butanone	7.22	43	12874	22.170	ug/l	94
26) 2,2-Dichloropropane	7.21	77	19547	5.013	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	12578	4.707	ug/l	100
28) Bromochloromethane	7.54	49	7920	4.452	ug/l	99
29) Tetrahydrofuran	7.57	42	6882	18.737	ug/l	95
30) Chloroform	7.71	83	22203	4.852	ug/l	90
31) Cyclohexane	7.99	56	21560	5.276	ug/l #	88
32) 1,1,1-Trichloroethane	7.90	97	20094	4.883	ug/l	96
36) 1,1-Dichloropropene	8.11	75	17440	4.714	ug/l	98
37) Ethyl Acetate	7.30	43	5801	4.048	ug/l #	72
38) Carbon Tetrachloride	8.10	117	19152	4.765	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	18464	4.409	ug/l	95
40) Benzene	8.35	78	50372	4.751	ug/l	94
41) Methacrylonitrile	7.52	41	2783m	3.427	ug/l	
42) 1,2-Dichloroethane	8.43	62	13136	4.381	ug/l	99
43) Isopropyl Acetate	8.46	43	10695	4.143	ug/l	95
44) Trichloroethene	9.11	130	14506	4.789	ug/l	98
45) 1,2-Dichloropropane	9.39	63	11936	4.588	ug/l	91
46) Dibromomethane	9.48	93	5879	4.192	ug/l	97
47) Bromodichloromethane	9.66	83	16531	4.517	ug/l	96
48) Methyl methacrylate	9.46	41	5124	4.163	ug/l	93
49) 1,4-Dioxane	9.47	88	1067	69.959	ug/l #	83
51) 4-Methyl-2-Pentanone	10.23	43	24671	18.402	ug/l	97
52) Toluene	10.41	92	27576	4.126	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	13464	4.101	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	16844	4.219	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	8323	4.202	ug/l	97
56) Ethyl methacrylate	10.67	69	6955	3.467	ug/l	96
57) 1,3-Dichloropropane	10.95	76	14132	4.308	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	19157	18.344	ug/l	98
59) 2-Hexanone	10.99	43	16552	18.492	ug/l	98
60) Dibromochloromethane	11.14	129	10925	4.178	ug/l	99
61) 1,2-Dibromoethane	11.26	107	7863	4.174	ug/l	99
64) Tetrachloroethene	10.88	164	12692	4.817	ug/l	95
65) Chlorobenzene	11.67	112	33508	4.657	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	12599	4.601	ug/l	99
67) Ethyl Benzene	11.75	91	53383	4.503	ug/l	97
68) m/p-Xylenes	11.86	106	39471	8.469	ug/l	98
69) o-Xylene	12.18	106	16781	4.163	ug/l	96
70) Styrene	12.20	104	27700	3.883	ug/l	98
71) Bromoform	12.37	173	6704	4.286	ug/l #	92
73) Isopropylbenzene	12.48	105	43879	4.144	ug/l	99
74) N-amyl acetate	12.30	43	8671	3.992	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	9235	4.634	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	5841m	4.171	ug/l	
77) Bromobenzene	12.77	156	12599	4.311	ug/l	99
78) n-propylbenzene	12.83	91	54496	4.258	ug/l	100
79) 2-Chlorotoluene	12.91	91	32037	4.359	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	37024	4.126	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	2534	4.241	ug/l	92
82) 4-Chlorotoluene	13.01	91	34940	4.402	ug/l	100
83) tert-Butylbenzene	13.23	119	31807	4.281	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	35100	3.946	ug/l	98
85) sec-Butylbenzene	13.41	105	46014	4.315	ug/l	99
86) p-Isopropyltoluene	13.53	119	40821	4.152	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	26924	4.756	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	27420	4.847	ug/l	90
89) n-Butylbenzene	13.86	91	39869	4.475	ug/l	97
90) Hexachloroethane	14.12	117	10438	4.849	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	22168	4.588	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	1278	4.125	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	14401	4.510	ug/l	97
94) Hexachlorobutadiene	15.28	225	10756	4.859	ug/l	98
95) Naphthalene	15.41	128	16794	3.578	ug/l	96
96) 1,2,3-Trichlorobenzene	15.61	180	12616	4.511	ug/l	97

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

