

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065411.D
 Acq On : 04 Mar 2020 14:15
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:39:01 PM

Quant Time: Mar 05 01:22:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 15:55:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	484489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	729390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	657420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	317664	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	24145	5.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.56%	
35) Dibromofluoromethane	7.92	113	25815	5.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.42%	
50) Toluene-d8	10.34	98	93220	5.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.74%	
62) 4-Bromofluorobenzene	12.64	95	27862	5.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	22413	5.335	ug/l	92
3) Chloromethane	2.21	50	29675	5.897	ug/l	100
4) Vinyl Chloride	2.35	62	28224	5.672	ug/l	97
5) Bromomethane	2.77	94	19915	6.229	ug/l	99
6) Chloroethane	2.92	64	17118	5.636	ug/l	89
7) Trichlorofluoromethane	3.27	101	41783	5.695	ug/l	97
8) Diethyl Ether	3.70	74	12463	5.689	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	28029	5.935	ug/l	98
10) Methyl Iodide	4.29	142	20594	4.224	ug/l	97
11) Tert butyl alcohol	5.25	59	7286m	32.240	ug/l	
12) 1,1-Dichloroethene	4.06	96	26656	5.899	ug/l	90
13) Acrolein	3.93	56	11599	28.132	ug/l	97
14) Allyl chloride	4.72	41	37886	5.442	ug/l	98
15) Acrylonitrile	5.43	53	26506	27.542	ug/l	97
16) Acetone	4.16	43	26652	31.270	ug/l	99
17) Carbon Disulfide	4.40	76	85583	5.674	ug/l	97
18) Methyl Acetate	4.73	43	12610	5.787	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	44491	5.066	ug/l	98
20) Methylene Chloride	4.97	84	34621	6.552	ug/l #	86
21) trans-1,2-Dichloroethene	5.47	96	28751	5.704	ug/l	96
22) Diisopropyl ether	6.37	45	63942	4.895	ug/l	96
23) Vinyl Acetate	6.31	43	170589	23.548	ug/l	99
24) 1,1-Dichloroethane	6.26	63	45911	5.533	ug/l	99
25) 2-Butanone	7.23	43	32096	27.525	ug/l	99
26) 2,2-Dichloropropane	7.21	77	42634	5.879	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	27403	5.302	ug/l	96
28) Bromochloromethane	7.55	49	18464	5.486	ug/l	100
29) Tetrahydrofuran	7.57	42	19313	25.782	ug/l	97
30) Chloroform	7.71	83	46053m	5.519	ug/l	
31) Cyclohexane	7.98	56	49839	6.036	ug/l #	89
32) 1,1,1-Trichloroethane	7.91	97	43978	5.743	ug/l	99
36) 1,1-Dichloropropene	8.11	75	39357	5.611	ug/l	97
37) Ethyl Acetate	7.30	43	15151	5.518	ug/l	97
38) Carbon Tetrachloride	8.10	117	41188	5.689	ug/l	95

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

39) Methylcyclohexane	9.36	83	43117	5.144	ug/l	95
40) Benzene	8.36	78	106460	5.414	ug/l	100
41) Methacrylonitrile	7.54	41	7535	5.401	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	27680	5.350	ug/l	99
43) Isopropyl Acetate	8.46	43	26497	5.274	ug/l	98
44) Trichloroethene	9.11	130	30111	5.455	ug/l	95
45) 1,2-Dichloropropane	9.40	63	25154	5.267	ug/l	94
46) Dibromomethane	9.48	93	13226	5.326	ug/l	97
47) Bromodichloromethane	9.67	83	33490	5.195	ug/l	94
48) Methyl methacrylate	9.46	41	12560	5.284	ug/l	94
49) 1,4-Dioxane	9.47	88	2938	102.792	ug/l #	92
51) 4-Methyl-2-Pentanone	10.24	43	61334	24.137	ug/l	98
52) Toluene	10.41	92	65908	5.314	ug/l	95
53) t-1,3-Dichloropropene	10.63	75	30628	5.050	ug/l	92
54) cis-1,3-Dichloropropene	10.10	75	35056	4.786	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	19136	5.449	ug/l	97
56) Ethyl methacrylate	10.67	69	17288	4.342	ug/l	94
57) 1,3-Dichloropropane	10.96	76	32004	5.370	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	26133	18.463	ug/l	97
59) 2-Hexanone	10.99	43	42226	23.971	ug/l	94
60) Dibromochloromethane	11.14	129	24555	5.430	ug/l	99
61) 1,2-Dibromoethane	11.25	107	18101	5.397	ug/l	96
64) Tetrachloroethene	10.88	164	26166	5.541	ug/l	96
65) Chlorobenzene	11.67	112	71987	5.504	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	25792	5.402	ug/l	99
67) Ethyl Benzene	11.75	91	115514	5.124	ug/l	99
68) m/p-Xylenes	11.86	106	87326	10.047	ug/l	99
69) o-Xylene	12.18	106	36846	4.820	ug/l	98
70) Styrene	12.20	104	64527	4.785	ug/l	99
71) Bromoform	12.37	173	14642	5.436	ug/l #	100
73) Isopropylbenzene	12.48	105	103697	4.970	ug/l	98
74) N-amyl acetate	12.30	43	20348	4.723	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	20594	5.564	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	11041m	2.517	ug/l	
77) Bromobenzene	12.77	156	28057	5.363	ug/l	96
78) n-propylbenzene	12.83	91	122915	4.950	ug/l	98
79) 2-Chlorotoluene	12.91	91	71526	5.121	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	84323	4.909	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	5953	5.000	ug/l	92
82) 4-Chlorotoluene	13.01	91	76589	5.201	ug/l	98
83) tert-Butylbenzene	13.23	119	72135	4.974	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	80152	4.727	ug/l	100
85) sec-Butylbenzene	13.41	105	104301	5.039	ug/l	99
86) p-Isopropyltoluene	13.53	119	90691	4.800	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	55735	5.578	ug/l	95
88) 1,4-Dichlorobenzene	13.61	146	56131	5.632	ug/l	96
89) n-Butylbenzene	13.86	91	86792	4.978	ug/l	99
90) Hexachloroethane	14.13	117	22113	5.668	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	47271	5.519	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3258	5.735	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	29168	5.062	ug/l	99
94) Hexachlorobutadiene	15.28	225	21885	5.807	ug/l	97
95) Naphthalene	15.41	128	43301	4.674	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	24850	4.966	ug/l	94

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

