

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020520\
 Data File : VD065060.D
 Acq On : 05 Feb 2020 12:03
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 10:37:04 AM

Quant Time: Feb 05 15:30:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:24:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	628390	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	951017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	834983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	401394	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	26004	4.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.80%	
35) Dibromofluoromethane	7.92	113	24079	4.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.20%	
50) Toluene-d8	10.34	98	99622	4.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.78%	
62) 4-Bromofluorobenzene	12.64	95	31605	4.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	26235	5.421	ug/l	98
3) Chloromethane	2.21	50	32590	4.784	ug/l	94
4) Vinyl Chloride	2.35	62	33097	4.262	ug/l	96
5) Bromomethane	2.77	94	23962	4.610	ug/l	99
6) Chloroethane	2.92	64	19870	3.915	ug/l #	88
7) Trichlorofluoromethane	3.27	101	48404	4.066	ug/l	98
8) Diethyl Ether	3.71	74	14067	5.080	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	30579	5.295	ug/l	97
10) Methyl Iodide	4.29	142	27770	4.514	ug/l	100
11) Tert butyl alcohol	5.25	59	8508	26.291	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	28555	5.184	ug/l	84
13) Acrolein	3.93	56	11227	27.163	ug/l	98
14) Allyl chloride	4.71	41	45471	5.151	ug/l	99
15) Acrylonitrile	5.43	53	29670	24.753	ug/l	99
16) Acetone	4.17	43	36813	29.032	ug/l	93
17) Carbon Disulfide	4.40	76	89015	4.926	ug/l	99
18) Methyl Acetate	4.73	43	14448	5.156	ug/l	95
19) Methyl tert-butyl Ether	5.49	73	60635	4.977	ug/l	93
20) Methylene Chloride	4.96	84	43096	6.159	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	31608	5.013	ug/l	87
22) Diisopropyl ether	6.37	45	83424	4.796	ug/l #	93
23) Vinyl Acetate	6.31	43	219716	21.794	ug/l	96
24) 1,1-Dichloroethane	6.27	63	52498	4.920	ug/l	97
25) 2-Butanone	7.23	43	40925	25.536	ug/l	99
26) 2,2-Dichloropropane	7.21	77	47744	4.903	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	32563	4.826	ug/l	98
28) Bromochloromethane	7.56	49	22157	5.370	ug/l	99
29) Tetrahydrofuran	7.57	42	23268	23.436	ug/l	99
30) Chloroform	7.71	83	52665	4.793	ug/l	95
31) Cyclohexane	7.99	56	60873	5.757	ug/l #	77
32) 1,1,1-Trichloroethane	7.91	97	48546	4.745	ug/l	98
36) 1,1-Dichloropropene	8.11	75	42947	4.691	ug/l	98
37) Ethyl Acetate	7.30	43	18398	4.883	ug/l	99
38) Carbon Tetrachloride	8.10	117	44352	4.617	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	52478	4.861	ug/l	97
40) Benzene	8.36	78	117729	4.673	ug/l	99
41) Methacrylonitrile	7.53	41	8517	4.294	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	34318	4.608	ug/l	100
43) Isopropyl Acetate	8.46	43	33337	4.660	ug/l	98
44) Trichloroethene	9.12	130	35719	5.034	ug/l	87
45) 1,2-Dichloropropane	9.39	63	28064	4.584	ug/l	99
46) Dibromomethane	9.48	93	15499	4.674	ug/l	97
47) Bromodichloromethane	9.67	83	38982	4.516	ug/l	94
48) Methyl methacrylate	9.46	41	15192	4.614	ug/l	97
49) 1,4-Dioxane	9.47	88	3575	93.810	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	80086	22.510	ug/l	98
52) Toluene	10.41	92	73185	4.501	ug/l	92
53) t-1,3-Dichloropropene	10.63	75	36919	4.488	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	45376	4.691	ug/l	95
55) 1,1,2-Trichloroethane	10.81	97	20576	4.611	ug/l	95
56) Ethyl methacrylate	10.66	69	24451	4.566	ug/l	97
57) 1,3-Dichloropropane	10.95	76	36345	4.740	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	58650	31.445	ug/l	97
59) 2-Hexanone	10.99	43	54418	22.099	ug/l	97
60) Dibromochloromethane	11.15	129	25105	4.222	ug/l	93
61) 1,2-Dibromoethane	11.25	107	20114	4.670	ug/l	99
64) Tetrachloroethene	10.88	164	28663	4.733	ug/l	98
65) Chlorobenzene	11.68	112	77419	4.556	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	28073	4.413	ug/l	96
67) Ethyl Benzene	11.75	91	140336	4.659	ug/l	98
68) m/p-Xylenes	11.86	106	106605	9.195	ug/l	98
69) o-Xylene	12.19	106	46277	4.487	ug/l	100
70) Styrene	12.20	104	79388	4.350	ug/l	99
71) Bromoform	12.37	173	15807	4.516	ug/l #	100
73) Isopropylbenzene	12.48	105	128631	4.678	ug/l	99
74) N-amyl acetate	12.30	43	26700	4.365	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	21799	4.766	ug/l	100
76) 1,2,3-Trichloropropane	12.80	75	15521m	4.782	ug/l	
77) Bromobenzene	12.77	156	32115	4.788	ug/l	97
78) n-propylbenzene	12.83	91	152404	4.665	ug/l	100
79) 2-Chlorotoluene	12.91	91	86009	4.791	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	106400	4.724	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	7374	4.738	ug/l	96
82) 4-Chlorotoluene	13.01	91	89712	4.716	ug/l	98
83) tert-Butylbenzene	13.23	119	90934	4.763	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	106574	4.685	ug/l	100
85) sec-Butylbenzene	13.41	105	123455	4.553	ug/l	99
86) p-Isopropyltoluene	13.53	119	114505	4.534	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	60328	4.698	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	62841	4.932	ug/l	96
89) n-Butylbenzene	13.86	91	106153	4.605	ug/l	99
90) Hexachloroethane	14.13	117	23038	4.742	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	53403	4.902	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	3767	5.114	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	37787	4.981	ug/l	98
94) Hexachlorobutadiene	15.28	225	23377	4.871	ug/l	99
95) Naphthalene	15.41	128	61435	5.039	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	32451	4.976	ug/l	99

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

