

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060419\
 Data File : VW010676.D
 Acq On : 04 Jun 2019 15:14
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/5/2019 3:04:58 PM

Quant Time: Jun 05 03:14:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 02:25:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	269506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	438485	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	388196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	187875	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	64456	20.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.58%	
35) Dibromofluoromethane	7.88	113	48419	20.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.68%	
50) Toluene-d8	10.32	98	211826	20.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.60%	
62) 4-Bromofluorobenzene	12.62	95	77157	20.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.64%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	51709	20.762	ug/l 98
3) Chloromethane	2.21	50	76130	20.777	ug/l 100
4) Vinyl Chloride	2.35	62	70227	20.744	ug/l 99
5) Bromomethane	2.74	94	36449	19.606	ug/l 95
6) Chloroethane	2.90	64	41861	20.600	ug/l 99
7) Trichlorofluoromethane	3.24	101	89490	20.364	ug/l 99
8) Diethyl Ether	3.68	74	31263	19.907	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	54805	20.284	ug/l 99
10) Methyl Iodide	4.27	142	48483	20.320	ug/l 99
11) Tert butyl alcohol	5.17	59	26366	101.882	ug/l 98
12) 1,1-Dichloroethene	4.03	96	52515	20.149	ug/l 98
13) Acrolein	3.89	56	10197	96.426	ug/l 99
14) Allyl chloride	4.67	41	113277	19.711	ug/l 99
15) Acrylonitrile	5.37	53	77923	102.132	ug/l 99
16) Acetone	4.12	43	80420	94.483	ug/l 99
17) Carbon Disulfide	4.37	76	163579	19.771	ug/l 99
18) Methyl Acetate	4.67	43	36565	19.957	ug/l 98
19) Methyl tert-butyl Ether	5.43	73	151917	20.210	ug/l 98
20) Methylene Chloride	4.91	84	59136	19.805	ug/l 97
21) trans-1,2-Dichloroethene	5.42	96	59676	20.170	ug/l 97
22) Diisopropyl ether	6.31	45	230050	19.995	ug/l 97
23) Vinyl Acetate	6.26	43	695416	100.157	ug/l 99
24) 1,1-Dichloroethane	6.21	63	116091	20.135	ug/l 99
25) 2-Butanone	7.17	43	117167	99.273	ug/l 100
26) 2,2-Dichloropropane	7.17	77	94057	20.047	ug/l 99
27) cis-1,2-Dichloroethene	7.17	96	65173	20.016	ug/l 99
28) Bromochloromethane	7.51	49	46358	18.016	ug/l 97
29) Tetrahydrofuran	7.53	42	75159	101.242	ug/l 99
30) Chloroform	7.68	83	105213	19.950	ug/l 99
31) Cyclohexane	7.95	56	126368	19.716	ug/l # 94
32) 1,1,1-Trichloroethane	7.87	97	91603	19.884	ug/l 99
36) 1,1-Dichloropropene	8.08	75	91586	20.405	ug/l 100
37) Ethyl Acetate	7.25	43	50884	20.458	ug/l 100
38) Carbon Tetrachloride	8.07	117	77286	19.947	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	115855	20.305	ug/l	99
40) Benzene	8.32	78	247749	20.233	ug/l	99
41) Methacrylonitrile	7.48	41	28297	19.140	ug/l	95
42) 1,2-Dichloroethane	8.40	62	78903	20.303	ug/l	100
43) Isopropyl Acetate	8.43	43	98562	20.512	ug/l	99
44) Trichloroethene	9.09	130	60857	20.148	ug/l	99
45) 1,2-Dichloropropane	9.37	63	65695	20.268	ug/l	98
46) Dibromomethane	9.46	93	30330	20.146	ug/l	98
47) Bromodichloromethane	9.65	83	77128	19.764	ug/l	98
48) Methyl methacrylate	9.43	41	46728	20.169	ug/l	98
49) 1,4-Dioxane	9.45	88	10052	427.057	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	254303	103.594	ug/l	100
52) Toluene	10.39	92	152195	20.202	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	81881	19.809	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	97125	19.968	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	43964	20.271	ug/l	98
56) Ethyl methacrylate	10.65	69	67797	20.315	ug/l	98
57) 1,3-Dichloropropane	10.93	76	83529	20.436	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	180405	103.208	ug/l	99
59) 2-Hexanone	10.97	43	182261	102.732	ug/l	99
60) Dibromochloromethane	11.13	129	47170	19.620	ug/l	99
61) 1,2-Dibromoethane	11.24	107	41348	20.122	ug/l	99
64) Tetrachloroethene	10.87	164	50807	19.712	ug/l	96
65) Chlorobenzene	11.66	112	154495	20.238	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	52632	19.917	ug/l	99
67) Ethyl Benzene	11.73	91	296930	20.239	ug/l	99
68) m/p-Xylenes	11.84	106	213433	40.640	ug/l	99
69) o-Xylene	12.16	106	100993	20.276	ug/l	99
70) Styrene	12.18	104	175545	20.288	ug/l	100
71) Bromoform	12.35	173	27072	19.808	ug/l #	100
73) Isopropylbenzene	12.46	105	284623	20.160	ug/l	99
74) N-amyl acetate	12.27	43	93894	20.578	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	53912	20.059	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	39584m	14.707	ug/l	
77) Bromobenzene	12.75	156	61716	20.026	ug/l	99
78) n-propylbenzene	12.80	91	342186	20.101	ug/l	100
79) 2-Chlorotoluene	12.90	91	195416	20.092	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	234193	20.266	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	16477	19.194	ug/l	97
82) 4-Chlorotoluene	12.99	91	200920	20.019	ug/l	100
83) tert-Butylbenzene	13.21	119	198268	20.216	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	234616	20.176	ug/l	99
85) sec-Butylbenzene	13.38	105	288511	20.205	ug/l	100
86) p-Isopropyltoluene	13.50	119	258179	20.219	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	120035	20.198	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	119207	20.233	ug/l	99
89) n-Butylbenzene	13.83	91	258236	20.269	ug/l	100
90) Hexachloroethane	14.10	117	45097	19.721	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	108742	20.346	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9580	20.757	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	75131	20.032	ug/l	98
94) Hexachlorobutadiene	15.24	225	48251	20.499	ug/l	99
95) Naphthalene	15.37	128	137485	20.176	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	65495	20.534	ug/l	98

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

