

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011157.D
 Acq On : 08 Jul 2019 11:34
 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
 7/9/2019 4:12:46 PM

Quant Time: Jul 09 05:57:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 05:44:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	236033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	388578	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	342696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170624	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	58200	19.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.24%	
35) Dibromofluoromethane	7.88	113	45545	19.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.32%	
50) Toluene-d8	10.32	98	183487	19.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.20%	
62) 4-Bromofluorobenzene	12.62	95	66440	19.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.72%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	37369	21.228	ug/l 99
3) Chloromethane	2.21	50	45379	20.006	ug/l 98
4) Vinyl Chloride	2.35	62	60909	20.516	ug/l 97
5) Bromomethane	2.77	94	28685	19.228	ug/l 99
6) Chloroethane	2.92	64	31239	19.535	ug/l 99
7) Trichlorofluoromethane	3.24	101	19541	18.528	ug/l 99
8) Diethyl Ether	3.68	74	28785	19.725	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49697	19.672	ug/l 99
10) Methyl Iodide	4.27	142	68195	19.627	ug/l 98
11) Tert butyl alcohol	5.17	59	22035	100.350	ug/l 99
12) 1,1-Dichloroethene	4.04	96	51288	19.560	ug/l 93
13) Acrolein	3.88	56	16395	93.766	ug/l 99
14) Allyl chloride	4.66	41	92928	19.435	ug/l 99
15) Acrylonitrile	5.36	53	73902	99.434	ug/l 99
16) Acetone	4.12	43	69387	97.233	ug/l 98
17) Carbon Disulfide	4.38	76	151941	19.114	ug/l 99
18) Methyl Acetate	4.67	43	46977	21.050	ug/l 100
19) Methyl tert-butyl Ether	5.42	73	79996	20.107	ug/l 100
20) Methylene Chloride	4.92	84	55838	19.835	ug/l 98
21) trans-1,2-Dichloroethene	5.42	96	52625	19.315	ug/l 99
22) Diisopropyl ether	6.31	45	204864	19.920	ug/l 97
23) Vinyl Acetate	6.25	43	623568	97.975	ug/l 100
24) 1,1-Dichloroethane	6.21	63	105887	19.608	ug/l 99
25) 2-Butanone	7.17	43	109879	98.090	ug/l 97
26) 2,2-Dichloropropane	7.16	77	54588	19.446	ug/l 99
27) cis-1,2-Dichloroethene	7.16	96	57795	19.664	ug/l 99
28) Bromochloromethane	7.51	49	50178	20.435	ug/l # 100
29) Tetrahydrofuran	7.52	42	73376	99.897	ug/l 99
30) Chloroform	7.67	83	98241	19.643	ug/l 99
31) Cyclohexane	7.95	56	111101	19.338	ug/l 94
32) 1,1,1-Trichloroethane	7.87	97	74489	19.580	ug/l 100
36) 1,1-Dichloropropene	8.08	75	81666	19.736	ug/l 99
37) Ethyl Acetate	7.25	43	50467	20.299	ug/l 99
38) Carbon Tetrachloride	8.06	117	66764	19.033	ug/l 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	97507	19.441	ug/l	98
40) Benzene	8.32	78	224936	19.669	ug/l	99
41) Methacrylonitrile	7.48	41	28927	20.343	ug/l	94
42) 1,2-Dichloroethane	8.40	62	73720	19.872	ug/l	100
43) Isopropyl Acetate	8.42	43	92697	19.748	ug/l	99
44) Trichloroethene	9.09	130	53741	19.528	ug/l	97
45) 1,2-Dichloropropane	9.37	63	60480	19.530	ug/l	98
46) Dibromomethane	9.46	93	28872	19.847	ug/l	99
47) Bromodichloromethane	9.64	83	72350	19.438	ug/l	97
48) Methyl methacrylate	9.43	41	44852	19.861	ug/l	99
49) 1,4-Dioxane	9.44	88	9734	400.878	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	246625	100.582	ug/l	99
52) Toluene	10.38	92	136730	19.710	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	77196	19.484	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	90976	19.508	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	40820	19.780	ug/l	95
56) Ethyl methacrylate	10.65	69	61687	19.633	ug/l	99
57) 1,3-Dichloropropane	10.93	76	77823	19.942	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	146338	100.464	ug/l	100
59) 2-Hexanone	10.97	43	170291	100.144	ug/l	99
60) Dibromochloromethane	11.13	129	43484	19.215	ug/l	100
61) 1,2-Dibromoethane	11.24	107	38353	19.620	ug/l	100
64) Tetrachloroethene	10.86	164	45543	19.695	ug/l	97
65) Chlorobenzene	11.66	112	137307	19.707	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	47956	19.548	ug/l	99
67) Ethyl Benzene	11.73	91	259295	19.440	ug/l	98
68) m/p-Xylenes	11.84	106	190910	39.556	ug/l	99
69) o-Xylene	12.16	106	90449	19.884	ug/l	99
70) Styrene	12.18	104	154554	19.687	ug/l	100
71) Bromoform	12.35	173	24941	19.122	ug/l #	97
73) Isopropylbenzene	12.46	105	243484	19.090	ug/l	99
74) N-amyl acetate	12.27	43	87247	19.641	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	50808	19.433	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	36266m	18.343	ug/l	
77) Bromobenzene	12.75	156	54933	19.191	ug/l	99
78) n-propylbenzene	12.80	91	303397	19.310	ug/l	100
79) 2-Chlorotoluene	12.90	91	174526	19.303	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	208965	19.285	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	16631	19.077	ug/l	99
82) 4-Chlorotoluene	12.99	91	183287	19.463	ug/l	99
83) tert-Butylbenzene	13.21	119	174718	19.334	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	212859	19.563	ug/l	99
85) sec-Butylbenzene	13.38	105	250246	19.191	ug/l	99
86) p-Isopropyltoluene	13.50	119	228496	19.537	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	106995	19.428	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	108421	19.550	ug/l	99
89) n-Butylbenzene	13.82	91	226027	19.372	ug/l	100
90) Hexachloroethane	14.10	117	40419	18.912	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	97921	19.599	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8855	19.094	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	67288	19.553	ug/l	99
94) Hexachlorobutadiene	15.24	225	41320	19.558	ug/l	99
95) Naphthalene	15.37	128	127481	19.331	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	59739	19.670	ug/l	99

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

