

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070119\
 Data File : VW011098.D
 Acq On : 01 Jul 2019 21:08
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/2/2019 3:52:25 PM

Quant Time: Jul 02 09:27:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	203231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	344893	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	151379	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	148583	55.93	ug/l	0.00
Spiked Amount						
			Recovery	=	111.86%	
35) Dibromofluoromethane	7.88	113	113945	54.10	ug/l	0.00
Spiked Amount						
			Recovery	=	108.20%	
50) Toluene-d8	10.32	98	462100	53.30	ug/l	0.00
Spiked Amount						
			Recovery	=	106.60%	
62) 4-Bromofluorobenzene	12.62	95	170462	53.76	ug/l	0.00
Spiked Amount						
			Recovery	=	107.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	74894	48.885	ug/l	98
3) Chloromethane	2.21	50	107881	52.527	ug/l	98
4) Vinyl Chloride	2.35	62	134137	50.161	ug/l	99
5) Bromomethane	2.75	94	64717	48.620	ug/l	98
6) Chloroethane	2.90	64	73953	52.454	ug/l	98
7) Trichlorofluoromethane	3.24	101	42340	53.879	ug/l	99
8) Diethyl Ether	3.67	74	71364	57.341	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	114964	52.017	ug/l	99
10) Methyl Iodide	4.27	142	167978	54.323	ug/l	99
11) Tert butyl alcohol	5.17	59	52081	269.911	ug/l	99
12) 1,1-Dichloroethene	4.04	96	121674	52.890	ug/l	97
13) Acrolein	3.88	56	38042	252.824	ug/l	97
14) Allyl chloride	4.66	41	210841	56.944	ug/l	100
15) Acrylonitrile	5.36	53	185617	302.867	ug/l	100
16) Acetone	4.12	43	169539	261.432	ug/l	100
17) Carbon Disulfide	4.38	76	336482	51.556	ug/l	100
18) Methyl Acetate	4.66	43	98030	58.356	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	196620	60.385	ug/l	96
20) Methylene Chloride	4.92	84	136992	51.992	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	129171	54.490	ug/l	99
22) Diisopropyl ether	6.31	45	513016	57.577	ug/l	98
23) Vinyl Acetate	6.25	43	1651653	300.845	ug/l	100
24) 1,1-Dichloroethane	6.21	63	262205	55.751	ug/l	99
25) 2-Butanone	7.16	43	286387	290.528	ug/l	99
26) 2,2-Dichloropropane	7.16	77	115282	47.210	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	143901	56.378	ug/l	98
28) Bromochloromethane	7.51	49	107739	49.208	ug/l	99
29) Tetrahydrofuran	7.52	42	189394	308.642	ug/l	99
30) Chloroform	7.67	83	240605	56.311	ug/l	97
31) Cyclohexane	7.95	56	254713	50.121	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	175041	54.822	ug/l	99
36) 1,1-Dichloropropene	8.08	75	192156	51.836	ug/l	99
37) Ethyl Acetate	7.24	43	127991	59.351	ug/l	99
38) Carbon Tetrachloride	8.06	117	160712	52.644	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	239130	52.417	ug/l	98
40) Benzene	8.32	78	555753	54.508	ug/l	99
41) Methacrylonitrile	7.48	41	70284	53.569	ug/l	91
42) 1,2-Dichloroethane	8.40	62	185368	55.449	ug/l	100
43) Isopropyl Acetate	8.42	43	242350	59.406	ug/l	99
44) Trichloroethene	9.09	130	130566	52.987	ug/l	99
45) 1,2-Dichloropropane	9.37	63	153875	55.575	ug/l	96
46) Dibromomethane	9.46	93	72709	56.150	ug/l	100
47) Bromodichloromethane	9.64	83	180164	56.196	ug/l	100
48) Methyl methacrylate	9.43	41	119454	60.390	ug/l	98
49) 1,4-Dioxane	9.44	88	25082	1152.019	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	646247	300.938	ug/l	99
52) Toluene	10.38	92	340684	54.578	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	191722	57.413	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	227058	57.000	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	102767	56.174	ug/l	97
56) Ethyl methacrylate	10.65	69	165456	60.396	ug/l	99
57) 1,3-Dichloropropane	10.93	76	195941	56.305	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	378417	273.006	ug/l	99
59) 2-Hexanone	10.97	43	446498	298.150	ug/l	98
60) Dibromochloromethane	11.13	129	112591	58.689	ug/l	96
61) 1,2-Dibromoethane	11.23	107	98691	57.624	ug/l	100
64) Tetrachloroethene	10.86	164	112294	52.619	ug/l	98
65) Chlorobenzene	11.66	112	344209	54.224	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	121022	56.153	ug/l	99
67) Ethyl Benzene	11.73	91	660542	54.329	ug/l	99
68) m/p-Xylenes	11.84	106	476949	108.109	ug/l	100
69) o-Xylene	12.16	106	226245	55.058	ug/l	99
70) Styrene	12.18	104	398948	55.870	ug/l	99
71) Bromoform	12.35	173	62679	59.655	ug/l #	99
73) Isopropylbenzene	12.46	105	619745	54.649	ug/l	100
74) N-amyl acetate	12.27	43	229431	60.241	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	130405	58.558	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	93541m	58.530	ug/l	
77) Bromobenzene	12.75	156	140030	56.177	ug/l	98
78) n-propylbenzene	12.80	91	755231	53.778	ug/l	99
79) 2-Chlorotoluene	12.89	91	440711	54.930	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	525370	54.658	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	39283	52.111	ug/l	99
82) 4-Chlorotoluene	12.99	91	452461	54.116	ug/l	100
83) tert-Butylbenzene	13.21	119	435854	54.378	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	534652	55.032	ug/l	99
85) sec-Butylbenzene	13.38	105	630028	54.108	ug/l	99
86) p-Isopropyltoluene	13.50	119	569676	54.368	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	267433	54.238	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	264790	53.797	ug/l	99
89) n-Butylbenzene	13.82	91	567043	53.243	ug/l	100
90) Hexachloroethane	14.10	117	100687	56.161	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	244656	55.246	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22804	60.253	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	171046	54.896	ug/l	100
94) Hexachlorobutadiene	15.24	225	101364	53.637	ug/l	99
95) Naphthalene	15.37	128	355225	60.693	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	153058	55.013	ug/l	99

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

