

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013007.D
 Acq On : 14 Sep 2019 21:05
 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
 9/16/2019 11:14:37 AM

Quant Time: Sep 16 07:53:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	251717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	360402	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	312927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	160852	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	127124	54.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.36%	
35) Dibromofluoromethane	7.88	113	104931	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
50) Toluene-d8	10.32	98	424404	55.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.92%	
62) 4-Bromofluorobenzene	12.62	95	148331	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	49729	51.774	ug/l	99
3) Chloromethane	2.21	50	64466	53.568	ug/l	98
4) Vinyl Chloride	2.36	62	88151	48.926	ug/l	98
5) Bromomethane	2.76	94	49900	45.352	ug/l	97
6) Chloroethane	2.90	64	54478	49.300	ug/l	99
7) Trichlorofluoromethane	3.25	101	57059	45.288	ug/l	88
8) Diethyl Ether	3.68	74	52763	53.632	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	97491	51.018	ug/l	99
10) Methyl Iodide	4.26	142	118713	49.640	ug/l	98
11) Tert butyl alcohol	5.20	59	50802	330.626	ug/l	99
12) 1,1-Dichloroethene	4.03	96	86648	49.870	ug/l	92
13) Acrolein	3.89	56	44910	262.393	ug/l	99
14) Allyl chloride	4.65	41	165042	50.035	ug/l	98
15) Acrylonitrile	5.37	53	154360	307.205	ug/l	99
16) Acetone	4.12	43	134562	268.170	ug/l	99
17) Carbon Disulfide	4.38	76	160488	46.350	ug/l	100
18) Methyl Acetate	4.67	43	83779	63.254	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	194944	56.839	ug/l	96
20) Methylene Chloride	4.91	84	100022	53.632	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	93497	50.242	ug/l	98
22) Diisopropyl ether	6.31	45	370070	54.006	ug/l	99
23) Vinyl Acetate	6.25	43	1153614	281.081	ug/l	97
24) 1,1-Dichloroethane	6.21	63	199477	50.489	ug/l	98
25) 2-Butanone	7.17	43	220100	297.743	ug/l	99
26) 2,2-Dichloropropane	7.17	77	116790	46.254	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	114188	51.253	ug/l	97
28) Bromochloromethane	7.51	49	89230	53.658	ug/l	98
29) Tetrahydrofuran	7.52	42	135751	322.297	ug/l	100
30) Chloroform	7.67	83	202379	50.413	ug/l	100
31) Cyclohexane	7.95	56	161312	54.799	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	164075	49.630	ug/l	99
36) 1,1-Dichloropropene	8.08	75	149269	51.831	ug/l	99
37) Ethyl Acetate	7.25	43	92377	60.431	ug/l	98
38) Carbon Tetrachloride	8.07	117	148165	50.203	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	165128	52.326	ug/l	97
40) Benzene	8.32	78	414519	51.559	ug/l	99
41) Methacrylonitrile	7.48	41	58183	57.798	ug/l	96
42) 1,2-Dichloroethane	8.40	62	143449	53.226	ug/l	99
43) Isopropyl Acetate	8.42	43	179754	61.244	ug/l	98
44) Trichloroethene	9.09	130	112924	51.279	ug/l	94
45) 1,2-Dichloropropane	9.37	63	113999	53.369	ug/l	98
46) Dibromomethane	9.46	93	57276	55.968	ug/l	98
47) Bromodichloromethane	9.64	83	149758	52.170	ug/l	99
48) Methyl methacrylate	9.43	41	84013	60.991	ug/l	99
49) 1,4-Dioxane	9.46	88	21703	1265.629	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	482425	318.372	ug/l	99
52) Toluene	10.38	92	267573	52.375	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	151219	52.380	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	172393	52.189	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	87680	56.241	ug/l	97
56) Ethyl methacrylate	10.65	69	127812	60.907	ug/l	99
57) 1,3-Dichloropropane	10.93	76	155540	56.242	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	334623	297.263	ug/l	100
59) 2-Hexanone	10.97	43	329731	312.509	ug/l	99
60) Dibromochloromethane	11.13	129	101890	54.058	ug/l	96
61) 1,2-Dibromoethane	11.23	107	80981	56.941	ug/l	100
64) Tetrachloroethene	10.86	164	103415	55.551	ug/l	98
65) Chlorobenzene	11.66	112	289772	51.987	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	110027	51.510	ug/l	98
67) Ethyl Benzene	11.73	91	533954	51.868	ug/l	100
68) m/p-Xylenes	11.83	106	398007	105.834	ug/l	99
69) o-Xylene	12.16	106	189152	53.649	ug/l	99
70) Styrene	12.18	104	334491	53.332	ug/l	99
71) Bromoform	12.35	173	64668	57.637	ug/l #	99
73) Isopropylbenzene	12.46	105	549375	51.528	ug/l	100
74) N-amyl acetate	12.27	43	161577	58.913	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	109626	58.542	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	87646m	62.207	ug/l	
77) Bromobenzene	12.74	156	127038	51.722	ug/l	99
78) n-propylbenzene	12.80	91	647596	51.637	ug/l	100
79) 2-Chlorotoluene	12.89	91	367768	51.012	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	463068	51.339	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	33971	54.696	ug/l	98
82) 4-Chlorotoluene	12.99	91	383125	50.366	ug/l	99
83) tert-Butylbenzene	13.21	119	416673	51.646	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	455660	51.123	ug/l	97
85) sec-Butylbenzene	13.38	105	568821	51.748	ug/l	100
86) p-Isopropyltoluene	13.49	119	522106	51.735	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	241061	49.578	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	244273	51.123	ug/l	100
89) n-Butylbenzene	13.82	91	487345	51.205	ug/l	99
90) Hexachloroethane	14.09	117	90503	50.043	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	220223	51.504	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19673	57.395	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	162094	53.156	ug/l	99
94) Hexachlorobutadiene	15.23	225	108703	50.355	ug/l	100
95) Naphthalene	15.36	128	314346	61.695	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	147052	54.552	ug/l	99

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

