

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092319\
 Data File : VW013245.D
 Acq On : 23 Sep 2019 22:07
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:35:44 AM

Quant Time: Sep 24 08:07:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	328291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	491762	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	432701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	221660	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	151072	56.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.76%	
35) Dibromofluoromethane	7.88	113	147797	54.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.28%	
50) Toluene-d8	10.32	98	603994	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	
62) 4-Bromofluorobenzene	12.62	95	212235	54.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	87949	46.443	ug/l	99
3) Chloromethane	2.21	50	107715	44.249	ug/l	98
4) Vinyl Chloride	2.36	62	144702	46.108	ug/l	99
5) Bromomethane	2.77	94	99024	49.791	ug/l	92
6) Chloroethane	2.91	64	87465	47.282	ug/l	96
7) Trichlorofluoromethane	3.25	101	72451	40.036	ug/l	96
8) Diethyl Ether	3.68	74	81268	52.577	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	141344	47.975	ug/l	100
10) Methyl Iodide	4.26	142	230057	50.365	ug/l	99
11) Tert butyl alcohol	5.18	59	53064	276.180	ug/l	100
12) 1,1-Dichloroethene	4.04	96	149138	48.884	ug/l	96
13) Acrolein	3.89	56	38060	246.764	ug/l	99
14) Allyl chloride	4.66	41	234025	48.198	ug/l	99
15) Acrylonitrile	5.36	53	185533	278.094	ug/l	98
16) Acetone	4.12	43	145745	241.212	ug/l	92
17) Carbon Disulfide	4.38	76	429886	48.750	ug/l	97
18) Methyl Acetate	4.67	43	96473	56.800	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	253503	54.216	ug/l	97
20) Methylene Chloride	4.92	84	171255	55.754	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	162905	49.404	ug/l	96
22) Diisopropyl ether	6.31	45	486712	52.714	ug/l	98
23) Vinyl Acetate	6.25	43	1472638	268.850	ug/l	98
24) 1,1-Dichloroethane	6.21	63	286778	51.472	ug/l	99
25) 2-Butanone	7.17	43	238816	263.293	ug/l	97
26) 2,2-Dichloropropane	7.17	77	151301	45.057	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	181620	52.192	ug/l	96
28) Bromochloromethane	7.51	49	120250	56.235	ug/l #	98
29) Tetrahydrofuran	7.52	42	161151	289.708	ug/l	99
30) Chloroform	7.67	83	276308	50.655	ug/l	96
31) Cyclohexane	7.95	56	268144	46.170	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	214948	48.654	ug/l	99
36) 1,1-Dichloropropene	8.08	75	224690	47.174	ug/l	99
37) Ethyl Acetate	7.25	43	108836	53.764	ug/l	98
38) Carbon Tetrachloride	8.07	117	204213	47.828	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	284705	46.512	ug/l	97
40) Benzene	8.32	78	654082	49.232	ug/l	100
41) Methacrylonitrile	7.48	41	67955	56.246	ug/l	98
42) 1,2-Dichloroethane	8.40	62	179975	50.393	ug/l	99
43) Isopropyl Acetate	8.42	43	206672	53.269	ug/l	98
44) Trichloroethene	9.09	130	182184	48.875	ug/l	95
45) 1,2-Dichloropropane	9.37	63	163808	50.502	ug/l	100
46) Dibromomethane	9.46	93	81003	51.439	ug/l	98
47) Bromodichloromethane	9.64	83	204691	51.083	ug/l	98
48) Methyl methacrylate	9.43	41	104350	57.198	ug/l	96
49) 1,4-Dioxane	9.45	88	25723	1088.206	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	530669	272.836	ug/l	98
52) Toluene	10.38	92	424230	49.824	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	213294	51.811	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	255495	51.043	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	123457	52.451	ug/l	97
56) Ethyl methacrylate	10.65	69	173113	56.198	ug/l	98
57) 1,3-Dichloropropane	10.93	76	213264	51.922	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	422310	296.138	ug/l	99
59) 2-Hexanone	10.96	43	365971	273.488	ug/l	100
60) Dibromochloromethane	11.13	129	144318	53.998	ug/l	99
61) 1,2-Dibromoethane	11.23	107	118682	53.032	ug/l	100
64) Tetrachloroethene	10.86	164	165325	50.357	ug/l	96
65) Chlorobenzene	11.66	112	443709	49.106	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	158822	51.451	ug/l	99
67) Ethyl Benzene	11.73	91	799570	48.839	ug/l	97
68) m/p-Xylenes	11.84	106	615765	98.702	ug/l	99
69) o-Xylene	12.16	106	286817	49.450	ug/l	99
70) Styrene	12.18	104	508554	51.071	ug/l	100
71) Bromoform	12.35	173	89164	54.675	ug/l #	100
73) Isopropylbenzene	12.46	105	787165	48.073	ug/l	100
74) N-amyl acetate	12.27	43	194051	53.407	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	142418	52.007	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	89159m	45.546	ug/l	
77) Bromobenzene	12.74	156	194855	50.217	ug/l	98
78) n-propylbenzene	12.80	91	921978	48.103	ug/l	100
79) 2-Chlorotoluene	12.89	91	525578	48.947	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	664424	48.272	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	46126	52.874	ug/l	97
82) 4-Chlorotoluene	12.99	91	550850	48.647	ug/l	100
83) tert-Butylbenzene	13.21	119	585417	48.458	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	674682	49.259	ug/l	100
85) sec-Butylbenzene	13.38	105	796055	47.794	ug/l	99
86) p-Isopropyltoluene	13.49	119	745752	48.273	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	368220	49.308	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	368014	50.248	ug/l	99
89) n-Butylbenzene	13.82	91	675969	47.920	ug/l	100
90) Hexachloroethane	14.09	117	128912	49.673	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	328329	50.820	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22999	54.908	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	243594	52.618	ug/l	100
94) Hexachlorobutadiene	15.24	225	151209	47.742	ug/l	99
95) Naphthalene	15.36	128	443620	58.590	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	217923	54.478	ug/l	99

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

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