

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013219.D
 Acq On : 21 Sep 2019 07:48
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:29:25 AM

Quant Time: Sep 23 01:11:58 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	340239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	500131	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	436264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	220727	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	146165	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
35) Dibromofluoromethane	7.88	113	142592	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
50) Toluene-d8	10.32	98	595000	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
62) 4-Bromofluorobenzene	12.62	95	202412	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	85346	43.486	ug/l	92
3) Chloromethane	2.21	50	109367	43.350	ug/l	100
4) Vinyl Chloride	2.36	62	147436	45.330	ug/l	99
5) Bromomethane	2.77	94	91130	44.212	ug/l	95
6) Chloroethane	2.91	64	86224	44.974	ug/l	98
7) Trichlorofluoromethane	3.25	101	83821	44.693	ug/l	97
8) Diethyl Ether	3.67	74	77497	48.376	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	140743	46.094	ug/l	100
10) Methyl Iodide	4.26	142	220706	46.621	ug/l	100
11) Tert butyl alcohol	5.20	59	55123	276.846	ug/l	99
12) 1,1-Dichloroethene	4.04	96	146356	46.287	ug/l	98
13) Acrolein	3.89	56	38768	242.527	ug/l	99
14) Allyl chloride	4.67	41	233905	46.482	ug/l	98
15) Acrylonitrile	5.37	53	178002	257.437	ug/l	98
16) Acetone	4.13	43	128339	204.945	ug/l	94
17) Carbon Disulfide	4.38	76	411492	45.026	ug/l	100
18) Methyl Acetate	4.67	43	95578	54.297	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	241158	49.765	ug/l	96
20) Methylene Chloride	4.91	84	152424	47.445	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	160401	46.936	ug/l	96
22) Diisopropyl ether	6.31	45	463388	48.425	ug/l	99
23) Vinyl Acetate	6.25	43	1348067	237.465	ug/l	100
24) 1,1-Dichloroethane	6.21	63	274013	47.454	ug/l	99
25) 2-Butanone	7.17	43	225415	239.792	ug/l	93
26) 2,2-Dichloropropane	7.16	77	140082	39.871	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	172274	47.767	ug/l	98
28) Bromochloromethane	7.51	49	124768	56.299	ug/l	99
29) Tetrahydrofuran	7.53	42	152395	264.346	ug/l	100
30) Chloroform	7.67	83	264247	46.742	ug/l	97
31) Cyclohexane	7.95	56	273472	45.434	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	214137	46.768	ug/l	99
36) 1,1-Dichloropropene	8.08	75	225701	46.593	ug/l	98
37) Ethyl Acetate	7.25	43	104806	50.907	ug/l	99
38) Carbon Tetrachloride	8.07	117	200000	46.057	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	289796	46.552	ug/l	98
40) Benzene	8.32	78	629637	46.599	ug/l	99
41) Methacrylonitrile	7.48	41	68344	55.622	ug/l	91
42) 1,2-Dichloroethane	8.40	62	171293	47.159	ug/l	100
43) Isopropyl Acetate	8.42	43	193288	48.986	ug/l	98
44) Trichloroethene	9.09	130	173755	45.834	ug/l	99
45) 1,2-Dichloropropane	9.37	63	152719	46.296	ug/l	99
46) Dibromomethane	9.46	93	76315	47.651	ug/l	99
47) Bromodichloromethane	9.64	83	186036	45.651	ug/l	97
48) Methyl methacrylate	9.43	41	98435	53.053	ug/l	95
49) 1,4-Dioxane	9.46	88	25720	1069.872	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	503623	254.598	ug/l	99
52) Toluene	10.38	92	406417	46.933	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	191351	45.703	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	230566	45.292	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	115111	48.087	ug/l	98
56) Ethyl methacrylate	10.65	69	160467	51.221	ug/l	100
57) 1,3-Dichloropropane	10.93	76	200940	48.103	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	383388	264.346	ug/l	100
59) 2-Hexanone	10.97	43	340857	250.458	ug/l	100
60) Dibromochloromethane	11.13	129	131680	48.445	ug/l	99
61) 1,2-Dibromoethane	11.24	107	109877	48.276	ug/l	99
64) Tetrachloroethene	10.86	164	170991	51.658	ug/l	96
65) Chlorobenzene	11.66	112	418020	45.886	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	146202	46.976	ug/l	98
67) Ethyl Benzene	11.73	91	767836	46.517	ug/l	99
68) m/p-Xylenes	11.84	106	591089	93.973	ug/l	99
69) o-Xylene	12.16	106	272242	46.553	ug/l	100
70) Styrene	12.18	104	478677	47.678	ug/l	99
71) Bromoform	12.35	173	79534	48.372	ug/l	99
73) Isopropylbenzene	12.46	105	763431	46.821	ug/l	99
74) N-amyl acetate	12.27	43	179824	49.701	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	130727	47.939	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	84426m	43.311	ug/l	
77) Bromobenzene	12.74	156	177212	45.864	ug/l	96
78) n-propylbenzene	12.80	91	886822	46.465	ug/l	100
79) 2-Chlorotoluene	12.89	91	493293	46.134	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	634860	46.319	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	39322	45.265	ug/l	97
82) 4-Chlorotoluene	12.99	91	518198	45.957	ug/l	99
83) tert-Butylbenzene	13.21	119	563654	46.853	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	633003	46.411	ug/l	99
85) sec-Butylbenzene	13.38	105	775182	46.738	ug/l	100
86) p-Isopropyltoluene	13.50	119	714555	46.449	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	342402	46.044	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	335423	45.991	ug/l	99
89) n-Butylbenzene	13.82	91	647407	46.090	ug/l	100
90) Hexachloroethane	14.09	117	118509	45.857	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	304254	47.293	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20722	49.681	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	216794	47.027	ug/l	99
94) Hexachlorobutadiene	15.24	225	141706	44.930	ug/l	97
95) Naphthalene	15.36	128	393415	52.179	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	190211	47.751	ug/l	99

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

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