

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091819\
 Data File : VW013128.D
 Acq On : 18 Sep 2019 21:37
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 11:23:03 AM

Quant Time: Sep 19 09:22:29 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	352955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	548664	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	481405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	238415	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	143513	44.03	ug/l	0.00
Spiked Amount			Recovery	=	88.06%	
35) Dibromofluoromethane	7.88	113	137207	46.09	ug/l	0.00
Spiked Amount			Recovery	=	92.18%	
50) Toluene-d8	10.32	98	563388	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
62) 4-Bromofluorobenzene	12.62	95	199858	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	49883	35.638	ug/l	95
3) Chloromethane	2.20	50	72492	41.894	ug/l	99
4) Vinyl Chloride	2.36	62	99131	39.239	ug/l	99
5) Bromomethane	2.76	94	63927	41.436	ug/l	99
6) Chloroethane	2.91	64	65366	42.187	ug/l	97
7) Trichlorofluoromethane	3.25	101	60426	34.204	ug/l	96
8) Diethyl Ether	3.68	74	66868	48.474	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	113400	42.322	ug/l	99
10) Methyl Iodide	4.26	142	157370	46.930	ug/l	94
11) Tert butyl alcohol	5.18	59	47581	213.064	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	105196	43.179	ug/l	92
13) Acrolein	3.89	56	43729	180.007	ug/l	98
14) Allyl chloride	4.66	41	186671	40.360	ug/l	93
15) Acrylonitrile	5.36	53	168692	239.431	ug/l	99
16) Acetone	4.12	43	128850	176.408	ug/l	91
17) Carbon Disulfide	4.38	76	161014	33.164	ug/l	98
18) Methyl Acetate	4.67	43	83720	45.079	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	233180	48.487	ug/l	97
20) Methylene Chloride	4.90	84	130557	49.525	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	119561	45.820	ug/l	98
22) Diisopropyl ether	6.31	45	446274	46.446	ug/l	95
23) Vinyl Acetate	6.25	43	1275526	221.643	ug/l #	95
24) 1,1-Dichloroethane	6.21	63	247307	44.641	ug/l	97
25) 2-Butanone	7.17	43	217550	209.882	ug/l	94
26) 2,2-Dichloropropane	7.16	77	138704	38.450	ug/l	94
27) cis-1,2-Dichloroethene	7.17	96	154149	49.344	ug/l	89
28) Bromochloromethane	7.51	49	117229	50.275	ug/l	92
29) Tetrahydrofuran	7.52	42	138635	234.736	ug/l	96
30) Chloroform	7.67	83	247777	44.018	ug/l	98
31) Cyclohexane	7.95	56	184236	43.773	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	188038	40.564	ug/l	97
36) 1,1-Dichloropropene	8.08	75	174844	39.880	ug/l	97
37) Ethyl Acetate	7.24	43	96870	41.626	ug/l	97
38) Carbon Tetrachloride	8.06	117	165942	36.934	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	200389	41.711	ug/l	95
40) Benzene	8.32	78	536845	43.862	ug/l	99
41) Methacrylonitrile	7.48	41	61371	40.046	ug/l	92
42) 1,2-Dichloroethane	8.40	62	156512	38.146	ug/l	94
43) Isopropyl Acetate	8.42	43	187226	41.902	ug/l	96
44) Trichloroethene	9.09	130	147790	44.083	ug/l	90
45) 1,2-Dichloropropane	9.37	63	146479	45.045	ug/l	98
46) Dibromomethane	9.46	93	69151	44.386	ug/l	98
47) Bromodichloromethane	9.64	83	177998	40.731	ug/l	100
48) Methyl methacrylate	9.43	41	87082	41.527	ug/l	92
49) 1,4-Dioxane	9.46	88	21062	806.802	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	494685	214.445	ug/l	94
52) Toluene	10.38	92	354257	45.549	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	184997	42.092	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	217612	43.273	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	114631	48.299	ug/l	99
56) Ethyl methacrylate	10.65	69	153246	47.970	ug/l #	89
57) 1,3-Dichloropropane	10.93	76	197009	46.794	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	423645	247.211	ug/l	97
59) 2-Hexanone	10.97	43	336614	209.564	ug/l	95
60) Dibromochloromethane	11.13	129	127107	44.297	ug/l	99
61) 1,2-Dibromoethane	11.23	107	102993	47.570	ug/l	100
64) Tetrachloroethene	10.86	164	130945	45.723	ug/l	95
65) Chlorobenzene	11.66	112	392712	45.798	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	144823	44.072	ug/l	98
67) Ethyl Benzene	11.73	91	700702	44.245	ug/l	99
68) m/p-Xylenes	11.84	106	529380	91.502	ug/l	95
69) o-Xylene	12.16	106	258669	47.690	ug/l	95
70) Styrene	12.18	104	454794	47.136	ug/l	96
71) Bromoform	12.35	173	74684	43.268	ug/l #	99
73) Isopropylbenzene	12.46	105	714419	45.208	ug/l	100
74) N-amyl acetate	12.27	43	179414	44.135	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	132274	47.657	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	83677m	40.069	ug/l	
77) Bromobenzene	12.74	156	169991	46.694	ug/l	96
78) n-propylbenzene	12.80	91	827064	44.492	ug/l	99
79) 2-Chlorotoluene	12.89	91	477031	44.641	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	629983	47.122	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	39173	42.552	ug/l	92
82) 4-Chlorotoluene	12.99	91	496424	44.029	ug/l	96
83) tert-Butylbenzene	13.21	119	537734	44.968	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	616506	46.666	ug/l	96
85) sec-Butylbenzene	13.38	105	738414	45.323	ug/l	100
86) p-Isopropyltoluene	13.50	119	678141	45.335	ug/l	97
87) 1,3-Dichlorobenzene	13.50	146	333554	46.283	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	327709	46.272	ug/l	99
89) n-Butylbenzene	13.82	91	625684	44.353	ug/l	98
90) Hexachloroethane	14.09	117	113422	42.312	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	295587	46.639	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19239	37.868	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	221071	48.911	ug/l	98
94) Hexachlorobutadiene	15.24	225	139402	43.567	ug/l	98
95) Naphthalene	15.36	128	405594	53.706	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	196807	49.258	ug/l	96

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

