

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\
 Data File : VW013068.D
 Acq On : 17 Sep 2019 04:30
 Operator : SY/VA
 Sample : K4851-02MS
 Misc : 5.72G/5ML/MSVOA W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)MS

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 2:01:27 PM

Quant Time: Sep 17 09:13:28 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	24710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	38671	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	31986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	11285	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	11653	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
35) Dibromofluoromethane	7.88	113	9683	46.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.30%	
50) Toluene-d8	10.32	98	41675	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.62	95	13298	45.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	2229	20.967	ug/l	83
3) Chloromethane	2.21	50	7168	61.389	ug/l	94
4) Vinyl Chloride	2.35	62	8979	50.767	ug/l	92
5) Bromomethane	2.78	94	5956	55.143	ug/l	99
6) Chloroethane	2.93	64	7268	67.001	ug/l #	85
7) Trichlorofluoromethane	3.27	101	13906	112.435	ug/l	85
8) Diethyl Ether	3.68	74	4584	47.466	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.07	101	10144	54.076	ug/l	98
10) Methyl Iodide	4.27	142	13532	57.641	ug/l	99
11) Tert butyl alcohol	5.15	59	3530	227.185	ug/l #	72
12) 1,1-Dichloroethene	4.04	96	8582	50.316	ug/l	91
13) Acrolein	3.92	56	25	Below Cal	#	1
14) Allyl chloride	4.68	41	15469	47.773	ug/l	94
15) Acrylonitrile	5.37	53	10922	221.429	ug/l	98
16) Acetone	4.12	43	15206	311.909	ug/l	99
17) Carbon Disulfide	4.39	76	16128	47.449	ug/l #	90
18) Methyl Acetate	4.67	43	10626	81.726	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	23197	68.899	ug/l	99
20) Methylene Chloride	4.91	84	10417	57.252	ug/l #	83
21) trans-1,2-Dichloroethene	5.43	96	9555	52.305	ug/l	93
22) Diisopropyl ether	6.31	45	33956	50.479	ug/l	92
23) Vinyl Acetate	6.30	43	18485	45.881	ug/l #	76
24) 1,1-Dichloroethane	6.22	63	20188	52.052	ug/l	95
25) 2-Butanone	7.17	43	17051	234.970	ug/l	99
26) 2,2-Dichloropropane	7.17	77	14867	61.389	ug/l	92
27) cis-1,2-Dichloroethene	7.17	96	11484	52.509	ug/l	96
28) Bromochloromethane	7.51	49	9489	58.128	ug/l	94
29) Tetrahydrofuran	7.53	42	9540	230.729	ug/l	98
30) Chloroform	7.68	83	20919	53.083	ug/l	98
31) Cyclohexane	7.95	56	16252	56.363	ug/l	85
32) 1,1,1-Trichloroethane	7.87	97	17826	54.928	ug/l	98
36) 1,1-Dichloropropene	8.09	75	14520	46.988	ug/l	99
37) Ethyl Acetate	7.26	43	6038	36.812	ug/l #	82
38) Carbon Tetrachloride	8.07	117	14621	46.171	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	14980	44.239	ug/l	95
40) Benzene	8.32	78	43742	50.706	ug/l	98
41) Methacrylonitrile	7.47	41	3378m	31.274	ug/l	
42) 1,2-Dichloroethane	8.40	62	12931	44.716	ug/l	94
43) Isopropyl Acetate	8.42	43	12163	38.622	ug/l	94
44) Trichloroethene	9.09	130	15397	65.161	ug/l	92
45) 1,2-Dichloropropane	9.37	63	11245	49.063	ug/l	99
46) Dibromomethane	9.46	93	5089	46.345	ug/l	94
47) Bromodichloromethane	9.65	83	13701	44.482	ug/l	92
48) Methyl methacrylate	9.43	41	6284	42.517	ug/l	94
49) 1,4-Dioxane	9.44	88	1675	910.340	ug/l #	88
51) 4-Methyl-2-Pentanone	10.21	43	33853	208.211	ug/l	98
52) Toluene	10.39	92	25552	46.613	ug/l	96
53) t-1,3-Dichloropropene	10.60	75	11509	37.153	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	14583	41.144	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	7685	45.941	ug/l	96
56) Ethyl methacrylate	10.65	69	7492	33.273	ug/l #	92
57) 1,3-Dichloropropane	10.93	76	13540	45.629	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	17363	143.751	ug/l	96
59) 2-Hexanone	10.97	43	22443	198.237	ug/l	94
60) Dibromochloromethane	11.13	129	8426	41.663	ug/l	100
61) 1,2-Dibromoethane	11.23	107	6789	44.489	ug/l	99
64) Tetrachloroethene	10.86	164	17500	91.967	ug/l	93
65) Chlorobenzene	11.66	112	26500	46.512	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	10163	46.547	ug/l	96
67) Ethyl Benzene	11.73	91	48688	46.270	ug/l	96
68) m/p-Xylenes	11.83	106	36712	95.505	ug/l	93
69) o-Xylene	12.16	106	16869	46.809	ug/l	98
70) Styrene	12.18	104	26422	41.215	ug/l	98
71) Bromoform	12.35	173	4463	38.915	ug/l #	97
73) Isopropylbenzene	12.46	105	51321	68.611	ug/l	98
74) N-amyl acetate	12.27	43	3181	16.532	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	5104	38.850	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	6453m	65.282	ug/l	
77) Bromobenzene	12.74	156	10757	62.424	ug/l	96
78) n-propylbenzene	12.80	91	53962	61.329	ug/l	100
79) 2-Chlorotoluene	12.89	91	31583	62.441	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	38982	61.602	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	1582	36.306	ug/l	88
82) 4-Chlorotoluene	12.99	91	29550	55.371	ug/l	96
83) tert-Butylbenzene	13.21	119	37476	66.209	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	37360	59.746	ug/l	100
85) sec-Butylbenzene	13.38	105	50445	65.413	ug/l	99
86) p-Isopropyltoluene	13.50	119	41590	58.741	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	17511	51.333	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	15673	46.754	ug/l	98
89) n-Butylbenzene	13.82	91	29198	43.727	ug/l	98
90) Hexachloroethane	14.09	117	7720	60.844	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	15392	51.309	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.47	75	1057m	43.954	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	3269	15.280	ug/l	97
94) Hexachlorobutadiene	15.24	225	5887	38.870	ug/l	97
95) Naphthalene	15.36	128	4753	13.296	ug/l	95
96) 1,2,3-Trichlorobenzene	15.56	180	2922	15.451	ug/l	87

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

