

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091419\
 Data File : VW012958.D
 Acq On : 13 Sep 2019 16:55
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW091419

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 12:43:46 AM

Quant Time: Sep 13 17:31:08 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	299713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	439865	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	374851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	188233	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	140137	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
35) Dibromofluoromethane	7.88	113	119354	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	10.32	98	478825	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
62) 4-Bromofluorobenzene	12.62	95	164503	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	58241	50.845	ug/l	88
3) Chloromethane	2.21	50	70552	48.802	ug/l	99
4) Vinyl Chloride	2.35	62	94773	44.178	ug/l	98
5) Bromomethane	2.77	94	58535	44.681	ug/l	98
6) Chloroethane	2.92	64	61258	46.558	ug/l	98
7) Trichlorofluoromethane	3.25	101	69952	46.630	ug/l	94
8) Diethyl Ether	3.67	74	54241	46.305	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	104374	45.873	ug/l	98
10) Methyl Iodide	4.26	142	133040	46.722	ug/l	99
11) Tert butyl alcohol	5.16	59	44492	236.994	ug/l	99
12) 1,1-Dichloroethene	4.03	96	97504	47.131	ug/l	96
13) Acrolein	3.89	56	50978	249.813	ug/l	97
14) Allyl chloride	4.66	41	189119	48.153	ug/l	99
15) Acrylonitrile	5.36	53	145041	242.432	ug/l	99
16) Acetone	4.11	43	169954	285.752	ug/l	100
17) Carbon Disulfide	4.37	76	184378	44.722	ug/l	96
18) Methyl Acetate	4.66	43	70675	44.815	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	198436	48.592	ug/l	96
20) Methylene Chloride	4.90	84	107154	47.675	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	102291	46.165	ug/l	98
22) Diisopropyl ether	6.30	45	397106	48.671	ug/l	98
23) Vinyl Acetate	6.24	43	1226478	250.979	ug/l	100
24) 1,1-Dichloroethane	6.21	63	220378	46.847	ug/l	99
25) 2-Butanone	7.17	43	216764	246.273	ug/l	99
26) 2,2-Dichloropropane	7.16	77	148551	49.735	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	125528	47.320	ug/l	99
28) Bromochloromethane	7.51	49	99758	50.383	ug/l	100
29) Tetrahydrofuran	7.52	42	123785	246.825	ug/l	99
30) Chloroform	7.67	83	221208	46.279	ug/l	100
31) Cyclohexane	7.95	56	173381	49.014	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	183415	46.596	ug/l	98
36) 1,1-Dichloropropene	8.08	75	160074	45.541	ug/l	100
37) Ethyl Acetate	7.24	43	87280	46.782	ug/l	99
38) Carbon Tetrachloride	8.07	117	165729	46.010	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	177019	45.960	ug/l	98
40) Benzene	8.32	78	451380	46.001	ug/l	100
41) Methacrylonitrile	7.48	41	60207	49.004	ug/l	94
42) 1,2-Dichloroethane	8.40	62	154463	46.959	ug/l	99
43) Isopropyl Acetate	8.42	43	174019	48.579	ug/l	100
44) Trichloroethene	9.09	130	121023	45.028	ug/l	97
45) 1,2-Dichloropropane	9.37	63	122900	47.142	ug/l	100
46) Dibromomethane	9.46	93	58400	46.757	ug/l	99
47) Bromodichloromethane	9.64	83	168094	47.979	ug/l	98
48) Methyl methacrylate	9.43	41	81474	48.463	ug/l	99
49) 1,4-Dioxane	9.45	88	18836	900.002	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	447783	242.126	ug/l	100
52) Toluene	10.38	92	292889	46.973	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	169158	48.008	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	195542	48.503	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	90814	47.728	ug/l	97
56) Ethyl methacrylate	10.64	69	125620	49.048	ug/l	98
57) 1,3-Dichloropropane	10.93	76	160078	47.426	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	332475	241.998	ug/l	100
59) 2-Hexanone	10.96	43	322003	250.052	ug/l	99
60) Dibromochloromethane	11.13	129	109402	47.558	ug/l	98
61) 1,2-Dibromoethane	11.23	107	80342	46.287	ug/l	95
64) Tetrachloroethene	10.86	164	101995	45.738	ug/l	99
65) Chlorobenzene	11.66	112	317707	47.583	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	121869	47.629	ug/l	99
67) Ethyl Benzene	11.73	91	591258	47.947	ug/l	100
68) m/p-Xylenes	11.83	106	427207	94.832	ug/l	99
69) o-Xylene	12.16	106	204709	48.470	ug/l	100
70) Styrene	12.18	104	364071	48.459	ug/l	100
71) Bromoform	12.35	173	66301	49.330	ug/l	99
73) Isopropylbenzene	12.46	105	593171	47.543	ug/l	100
74) N-amyl acetate	12.27	43	155666	48.502	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	103543	47.251	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	85719m	51.990	ug/l	
77) Bromobenzene	12.74	156	136718	47.566	ug/l	98
78) n-propylbenzene	12.80	91	701611	47.806	ug/l	100
79) 2-Chlorotoluene	12.89	91	401479	47.587	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	499127	47.287	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	35801	49.257	ug/l	99
82) 4-Chlorotoluene	12.99	91	419210	47.093	ug/l	100
83) tert-Butylbenzene	13.21	119	449907	47.653	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	497544	47.702	ug/l	100
85) sec-Butylbenzene	13.38	105	607398	47.220	ug/l	100
86) p-Isopropyltoluene	13.49	119	560091	47.426	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	265637	46.685	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	262581	46.961	ug/l	99
89) n-Butylbenzene	13.82	91	534356	47.977	ug/l	100
90) Hexachloroethane	14.09	117	98637	46.607	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	240462	48.056	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18644	46.481	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	178371	49.985	ug/l	99
94) Hexachlorobutadiene	15.24	225	117376	46.463	ug/l	98
95) Naphthalene	15.36	128	308163	51.683	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	155341	49.245	ug/l	99

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

