

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\
 Data File : VW013033.D
 Acq On : 16 Sep 2019 11:40
 Operator : SY/VA
 Sample : VW0916SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 2:00:48 PM

Quant Time: Sep 16 12:34:23 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	300953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	436093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	379950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	195768	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	134161	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
35) Dibromofluoromethane	7.88	113	114072	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
50) Toluene-d8	10.32	98	464387	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.62	95	164633	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	27004	20.830	ug/l	94
3) Chloromethane	2.21	50	37349	23.187	ug/l	99
4) Vinyl Chloride	2.35	62	47239	21.930	ug/l	91
5) Bromomethane	2.77	94	27176	20.658	ug/l	93
6) Chloroethane	2.90	64	26297	19.904	ug/l	95
7) Trichlorofluoromethane	3.24	101	27315	18.133	ug/l	91
8) Diethyl Ether	3.68	74	24265	20.630	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43776	19.161	ug/l	98
10) Methyl Iodide	4.26	142	59780	20.908	ug/l	97
11) Tert butyl alcohol	5.22	59	20037m	93.371	ug/l	
12) 1,1-Dichloroethene	4.03	96	42605	20.509	ug/l	94
13) Acrolein	3.89	56	23702	111.799	ug/l	99
14) Allyl chloride	4.65	41	83203	21.098	ug/l	96
15) Acrylonitrile	5.37	53	66067	109.974	ug/l	96
16) Acetone	4.13	43	70093	104.869	ug/l	98
17) Carbon Disulfide	4.37	76	85974	20.768	ug/l	99
18) Methyl Acetate	4.67	43	37508	23.686	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	86804	21.169	ug/l	94
20) Methylene Chloride	4.91	84	50725	19.417	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	45678	20.530	ug/l	99
22) Diisopropyl ether	6.31	45	168878	20.613	ug/l	99
23) Vinyl Acetate	6.24	43	532114	108.440	ug/l	99
24) 1,1-Dichloroethane	6.21	63	93914	19.881	ug/l	96
25) 2-Butanone	7.17	43	101199	114.502	ug/l	96
26) 2,2-Dichloropropane	7.16	77	62606	18.119	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	54060	20.295	ug/l	99
28) Bromochloromethane	7.51	49	37500	18.861	ug/l	100
29) Tetrahydrofuran	7.53	42	58443	116.054	ug/l	99
30) Chloroform	7.67	83	93432	19.466	ug/l	95
31) Cyclohexane	7.95	56	84383	21.362	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	74673	18.892	ug/l	98
36) 1,1-Dichloropropene	8.08	75	69842	20.042	ug/l	98
37) Ethyl Acetate	7.25	43	41263	22.308	ug/l	99
38) Carbon Tetrachloride	8.06	117	67450	18.888	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	82093	21.498	ug/l	96
40) Benzene	8.32	78	197040	20.254	ug/l	100
41) Methacrylonitrile	7.48	41	24705	20.282	ug/l	96
42) 1,2-Dichloroethane	8.40	62	64427	19.756	ug/l	98
43) Isopropyl Acetate	8.42	43	77590	21.847	ug/l	99
44) Trichloroethene	9.09	130	53014	19.895	ug/l	95
45) 1,2-Dichloropropane	9.37	63	51578	19.955	ug/l	98
46) Dibromomethane	9.46	93	25151	20.311	ug/l	97
47) Bromodichloromethane	9.64	83	68009	19.580	ug/l	97
48) Methyl methacrylate	9.43	41	36882	22.128	ug/l	97
49) 1,4-Dioxane	9.46	88	9403	453.170	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	209245	114.122	ug/l	100
52) Toluene	10.38	92	124658	20.166	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	72183	20.663	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	81919	20.495	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	39799	21.098	ug/l	96
56) Ethyl methacrylate	10.65	69	54317	21.392	ug/l	99
57) 1,3-Dichloropropane	10.93	76	69936	20.899	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	146193	107.330	ug/l	100
59) 2-Hexanone	10.97	43	146122	114.453	ug/l	100
60) Dibromochloromethane	11.13	129	44771	19.631	ug/l	94
61) 1,2-Dibromoethane	11.23	107	37033	21.520	ug/l	100
64) Tetrachloroethene	10.86	164	43964	19.450	ug/l	96
65) Chlorobenzene	11.66	112	134887	19.931	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	49451	19.067	ug/l	99
67) Ethyl Benzene	11.73	91	251571	20.127	ug/l	99
68) m/p-Xylenes	11.83	106	181900	39.837	ug/l	100
69) o-Xylene	12.16	106	85917	20.070	ug/l	99
70) Styrene	12.18	104	150748	19.796	ug/l	99
71) Bromoform	12.35	173	27493	20.181	ug/l	99
73) Isopropylbenzene	12.46	105	250482	19.303	ug/l	99
74) N-amyl acetate	12.27	43	70619	21.156	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	47290	20.750	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	38051m	22.190	ug/l	
77) Bromobenzene	12.74	156	58132	19.446	ug/l	98
78) n-propylbenzene	12.80	91	297397	19.484	ug/l	100
79) 2-Chlorotoluene	12.89	91	166454	18.970	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	212925	19.396	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16174	21.397	ug/l	95
82) 4-Chlorotoluene	12.99	91	176408	19.055	ug/l	100
83) tert-Butylbenzene	13.21	119	191904	19.544	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	209840	19.344	ug/l	99
85) sec-Butylbenzene	13.38	105	257708	19.263	ug/l	100
86) p-Isopropyltoluene	13.50	119	238322	19.403	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	114679	19.379	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	112793	19.396	ug/l	99
89) n-Butylbenzene	13.82	91	223642	19.307	ug/l	99
90) Hexachloroethane	14.09	117	39250	17.832	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	100242	19.262	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8858	21.234	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	74319	20.025	ug/l	99
94) Hexachlorobutadiene	15.23	225	49528	18.851	ug/l	99
95) Naphthalene	15.36	128	131583	21.219	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	65169	19.864	ug/l	99

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

