

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\
 Data File : VW013058.D
 Acq On : 17 Sep 2019 00:10
 Operator : SY/VA
 Sample : VW0916SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 2:01:16 PM

Quant Time: Sep 17 08:11:00 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	295910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	448458	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	395593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	195009	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	151010	55.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.52%	
35) Dibromofluoromethane	7.88	113	131079	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
50) Toluene-d8	10.32	98	526443	55.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.58%	
62) 4-Bromofluorobenzene	12.62	95	186597	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	30236	24.403	ug/l	97
3) Chloromethane	2.21	50	39303	25.193	ug/l	96
4) Vinyl Chloride	2.36	62	47959	22.643	ug/l	99
5) Bromomethane	2.76	94	28044	21.682	ug/l	92
6) Chloroethane	2.91	64	29888	23.008	ug/l	99
7) Trichlorofluoromethane	3.25	101	25430	17.169	ug/l	100
8) Diethyl Ether	3.68	74	26255	22.702	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	48430	21.559	ug/l	97
10) Methyl Iodide	4.26	142	65013	23.125	ug/l	98
11) Tert butyl alcohol	5.18	59	28193	143.714	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	44294	21.686	ug/l	97
13) Acrolein	3.90	56	20896	99.498	ug/l	98
14) Allyl chloride	4.67	41	86576	22.327	ug/l	95
15) Acrylonitrile	5.36	53	74226	125.661	ug/l	99
16) Acetone	4.12	43	64659	97.077	ug/l	99
17) Carbon Disulfide	4.38	76	92025	22.608	ug/l	99
18) Methyl Acetate	4.67	43	42332	27.188	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	96273	23.878	ug/l	96
20) Methylene Chloride	4.92	84	56377	22.703	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	49029	22.412	ug/l	98
22) Diisopropyl ether	6.31	45	192497	23.896	ug/l	98
23) Vinyl Acetate	6.25	43	563398	116.772	ug/l	99
24) 1,1-Dichloroethane	6.21	63	103325	22.247	ug/l	96
25) 2-Butanone	7.17	43	107322	123.499	ug/l	99
26) 2,2-Dichloropropane	7.17	77	65393	19.544	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	60142	22.963	ug/l	97
28) Bromochloromethane	7.51	49	44662	22.846	ug/l #	98
29) Tetrahydrofuran	7.53	42	67446	136.214	ug/l	99
30) Chloroform	7.67	83	103082	21.843	ug/l	98
31) Cyclohexane	7.95	56	87776	22.869	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	81513	20.974	ug/l	98
36) 1,1-Dichloropropene	8.08	75	72424	20.210	ug/l	98
37) Ethyl Acetate	7.25	43	45960	24.163	ug/l	97
38) Carbon Tetrachloride	8.06	117	71411	19.445	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	83726	21.322	ug/l	99
40) Benzene	8.32	78	218626	21.854	ug/l	97
41) Methacrylonitrile	7.48	41	27453	21.917	ug/l	91
42) 1,2-Dichloroethane	8.40	62	69851	20.829	ug/l	98
43) Isopropyl Acetate	8.42	43	86757	23.755	ug/l	98
44) Trichloroethene	9.09	130	58417	21.318	ug/l	88
45) 1,2-Dichloropropane	9.37	63	59811	22.503	ug/l	98
46) Dibromomethane	9.46	93	28543	22.415	ug/l	99
47) Bromodichloromethane	9.64	83	74264	20.791	ug/l	100
48) Methyl methacrylate	9.43	41	41804	24.390	ug/l	96
49) 1,4-Dioxane	9.46	88	11339	531.407	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	230620	122.312	ug/l	99
52) Toluene	10.38	92	137013	21.553	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	74462	20.728	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	87755	21.350	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	45142	23.270	ug/l	99
56) Ethyl methacrylate	10.64	69	63742	24.411	ug/l	96
57) 1,3-Dichloropropane	10.93	76	76369	22.192	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	159142	113.615	ug/l	99
59) 2-Hexanone	10.97	43	157086	119.648	ug/l	100
60) Dibromochloromethane	11.13	129	49006	20.895	ug/l	95
61) 1,2-Dibromoethane	11.23	107	40924	23.125	ug/l	99
64) Tetrachloroethene	10.86	164	50747	21.563	ug/l	97
65) Chlorobenzene	11.66	112	149862	21.268	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	54304	20.110	ug/l	99
67) Ethyl Benzene	11.73	91	273678	21.030	ug/l	98
68) m/p-Xylenes	11.84	106	200164	42.103	ug/l	99
69) o-Xylene	12.16	106	95282	21.378	ug/l	99
70) Styrene	12.18	104	167269	21.097	ug/l	99
71) Bromoform	12.35	173	30610	21.581	ug/l #	98
73) Isopropylbenzene	12.46	105	272160	21.056	ug/l	100
74) N-amyl acetate	12.27	43	79488	23.906	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	53152	23.413	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	42186m	24.697	ug/l	
77) Bromobenzene	12.74	156	63497	21.324	ug/l	99
78) n-propylbenzene	12.80	91	319516	21.015	ug/l	100
79) 2-Chlorotoluene	12.89	91	183603	21.006	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	229644	21.001	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	16275	21.614	ug/l	94
82) 4-Chlorotoluene	12.99	91	194202	21.058	ug/l	99
83) tert-Butylbenzene	13.21	119	207538	21.218	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	227002	21.008	ug/l	97
85) sec-Butylbenzene	13.38	105	279435	20.969	ug/l	99
86) p-Isopropyltoluene	13.49	119	256137	20.935	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	123556	20.960	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	122942	21.223	ug/l	99
89) n-Butylbenzene	13.82	91	231031	20.022	ug/l	99
90) Hexachloroethane	14.09	117	43407	19.797	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	110258	21.269	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	9861	23.730	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	79020	21.374	ug/l	99
94) Hexachlorobutadiene	15.23	225	54431	20.798	ug/l	99
95) Naphthalene	15.36	128	148186	23.989	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	71196	21.786	ug/l	99

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

