

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011846.D
 Acq On : 12 Aug 2019 12:41
 Operator : SY/VA
 Sample : VW0812SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/13/2019 2:43:40 PM

Quant Time: Aug 13 08:13:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	211929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	336945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	293207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	144008	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135388	55.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.26%	
35) Dibromofluoromethane	7.88	113	106873	56.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.08%	
50) Toluene-d8	10.32	98	435078	56.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.44%	
62) 4-Bromofluorobenzene	12.62	95	152721	55.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	25830	21.869	ug/l	83
3) Chloromethane	2.21	50	42581	20.791	ug/l	98
4) Vinyl Chloride	2.36	62	53365	21.643	ug/l	99
5) Bromomethane	2.76	94	23706	17.369	ug/l	97
6) Chloroethane	2.91	64	28416	20.175	ug/l	96
7) Trichlorofluoromethane	3.25	101	27323	24.795	ug/l	100
8) Diethyl Ether	3.68	74	26173	20.948	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	46202	22.102	ug/l	100
10) Methyl Iodide	4.27	142	60480	20.473	ug/l	98
11) Tert butyl alcohol	5.18	59	17379	84.999	ug/l #	84
12) 1,1-Dichloroethene	4.04	96	46427	21.035	ug/l	98
13) Acrolein	3.89	56	14406	82.502	ug/l	97
14) Allyl chloride	4.66	41	97997	20.875	ug/l	98
15) Acrylonitrile	5.37	53	67093	107.573	ug/l	99
16) Acetone	4.12	43	68208	88.112	ug/l	99
17) Carbon Disulfide	4.38	76	137600	19.919	ug/l	100
18) Methyl Acetate	4.67	43	39243	22.566	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	76048	21.713	ug/l	94
20) Methylene Chloride	4.91	84	52727	19.750	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	50750	21.327	ug/l	98
22) Diisopropyl ether	6.31	45	186954	21.123	ug/l	99
23) Vinyl Acetate	6.25	43	586587	105.476	ug/l	100
24) 1,1-Dichloroethane	6.21	63	100651	21.234	ug/l	99
25) 2-Butanone	7.17	43	100421	99.139	ug/l	99
26) 2,2-Dichloropropane	7.17	77	57335	19.668	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	53973	20.609	ug/l	99
28) Bromochloromethane	7.51	49	47465	22.560	ug/l #	100
29) Tetrahydrofuran	7.53	42	63899	110.361	ug/l	98
30) Chloroform	7.67	83	93050	21.278	ug/l	97
31) Cyclohexane	7.95	56	97801	21.494	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	74148	22.264	ug/l	99
36) 1,1-Dichloropropene	8.08	75	77806	22.207	ug/l	99
37) Ethyl Acetate	7.25	43	44001	21.829	ug/l	98
38) Carbon Tetrachloride	8.07	117	66872	22.296	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	86037	22.302	ug/l	96
40) Benzene	8.32	78	212084	21.611	ug/l	98
41) Methacrylonitrile	7.48	41	25873	21.472	ug/l	99
42) 1,2-Dichloroethane	8.40	62	68120	22.170	ug/l	99
43) Isopropyl Acetate	8.42	43	81563	22.002	ug/l	100
44) Trichloroethene	9.09	130	51592	21.873	ug/l	98
45) 1,2-Dichloropropane	9.37	63	57197	21.782	ug/l	99
46) Dibromomethane	9.46	93	25895	21.606	ug/l	98
47) Bromodichloromethane	9.65	83	67850	21.582	ug/l	100
48) Methyl methacrylate	9.43	41	37798	21.226	ug/l	98
49) 1,4-Dioxane	9.46	88	7191	414.387	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	211802	109.843	ug/l	100
52) Toluene	10.39	92	127576	21.526	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	69569	21.184	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	82363	21.093	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	37306	21.939	ug/l	98
56) Ethyl methacrylate	10.65	69	52942	21.276	ug/l	98
57) 1,3-Dichloropropane	10.93	76	69896	21.726	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	134458	119.010	ug/l	100
59) 2-Hexanone	10.97	43	147699	108.486	ug/l	100
60) Dibromochloromethane	11.13	129	40250	21.324	ug/l	99
61) 1,2-Dibromoethane	11.24	107	34637	21.524	ug/l	100
64) Tetrachloroethene	10.86	164	42186	22.097	ug/l	98
65) Chlorobenzene	11.66	112	126740	21.500	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	44294	21.572	ug/l	99
67) Ethyl Benzene	11.73	91	244277	21.758	ug/l	100
68) m/p-Xylenes	11.84	106	178185	43.642	ug/l	99
69) o-Xylene	12.16	106	81338	21.438	ug/l	99
70) Styrene	12.18	104	140889	21.477	ug/l	100
71) Bromoform	12.35	173	22602	21.589	ug/l	99
73) Isopropylbenzene	12.46	105	230680	21.472	ug/l	99
74) N-amyl acetate	12.27	43	71620	21.293	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	44575	22.058	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	37007m	24.286	ug/l	
77) Bromobenzene	12.74	156	51098	21.519	ug/l	99
78) n-propylbenzene	12.80	91	285672	21.849	ug/l	99
79) 2-Chlorotoluene	12.89	91	159481	21.173	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	197225	21.900	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14369	21.733	ug/l	98
82) 4-Chlorotoluene	12.99	91	171196	21.662	ug/l	100
83) tert-Butylbenzene	13.21	119	164333	21.821	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	195164	21.513	ug/l	98
85) sec-Butylbenzene	13.38	105	236466	22.006	ug/l	100
86) p-Isopropyltoluene	13.50	119	211025	21.644	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	99370	21.342	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	98830	21.338	ug/l	99
89) n-Butylbenzene	13.82	91	209684	21.551	ug/l	99
90) Hexachloroethane	14.09	117	36601	21.230	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	88472	21.484	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7636	22.159	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	59598	20.535	ug/l	99
94) Hexachlorobutadiene	15.24	225	39513	21.831	ug/l	97
95) Naphthalene	15.36	128	105935	19.930	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	52302	20.559	ug/l	99

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

