

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010563.D
 Acq On : 28 May 2019 13:23
 Operator : SY/VA
 Sample : VW0528SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:05:36 AM

Quant Time: May 29 07:23:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	152067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	247052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	223185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	111125	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	74738	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
35) Dibromofluoromethane	7.88	113	79145	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
50) Toluene-d8	10.32	98	298230	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
62) 4-Bromofluorobenzene	12.62	95	116148	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	20672	15.063	ug/l	100
3) Chloromethane	2.21	50	23587	14.763	ug/l	97
4) Vinyl Chloride	2.35	62	27833	15.039	ug/l	99
5) Bromomethane	2.74	94	19701	15.474	ug/l	97
6) Chloroethane	2.90	64	19579	16.480	ug/l	99
7) Trichlorofluoromethane	3.24	101	51683	18.916	ug/l	94
8) Diethyl Ether	3.68	74	15808	18.252	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	32921	19.565	ug/l	96
10) Methyl Iodide	4.26	142	31096	16.168	ug/l	95
11) Tert butyl alcohol	5.16	59	23749	168.214	ug/l #	77
12) 1,1-Dichloroethene	4.03	96	30921	19.251	ug/l	90
13) Acrolein	3.89	56	8684	91.406	ug/l	98
14) Allyl chloride	4.67	41	42487	18.274	ug/l	100
15) Acrylonitrile	5.37	53	32491	89.574	ug/l	98
16) Acetone	4.12	43	30575	95.431	ug/l	100
17) Carbon Disulfide	4.37	76	79727	16.641	ug/l	100
18) Methyl Acetate	4.67	43	15452	19.720	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	78426	19.153	ug/l	97
20) Methylene Chloride	4.91	84	33207	14.014	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	33925	18.414	ug/l	99
22) Diisopropyl ether	6.31	45	87660	18.388	ug/l	98
23) Vinyl Acetate	6.26	43	260424	91.449	ug/l	100
24) 1,1-Dichloroethane	6.21	63	54347	19.103	ug/l	99
25) 2-Butanone	7.17	43	45903	100.114	ug/l	98
26) 2,2-Dichloropropane	7.16	77	55644	20.533	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	38809	19.375	ug/l	98
28) Bromochloromethane	7.51	49	20605	20.229	ug/l	95
29) Tetrahydrofuran	7.53	42	27676	89.203	ug/l	99
30) Chloroform	7.67	83	59757	19.473	ug/l	96
31) Cyclohexane	7.95	56	52968	17.774	ug/l #	90
32) 1,1,1-Trichloroethane	7.87	97	57044	19.449	ug/l	98
36) 1,1-Dichloropropene	8.08	75	46541	20.223	ug/l	100
37) Ethyl Acetate	7.26	43	19634	20.062	ug/l	99
38) Carbon Tetrachloride	8.07	117	51784	20.858	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	61440	19.926	ug/l	98
40) Benzene	8.32	78	130414	20.388	ug/l	99
41) Methacrylonitrile	7.48	41	10705	18.409	ug/l	98
42) 1,2-Dichloroethane	8.40	62	36996	20.236	ug/l	99
43) Isopropyl Acetate	8.43	43	38030	19.451	ug/l	99
44) Trichloroethene	9.09	130	40170	21.153	ug/l	98
45) 1,2-Dichloropropane	9.37	63	30859	20.313	ug/l	100
46) Dibromomethane	9.46	93	18251	20.542	ug/l	95
47) Bromodichloromethane	9.65	83	45455	20.359	ug/l	96
48) Methyl methacrylate	9.44	41	16972	18.974	ug/l	98
49) 1,4-Dioxane	9.44	88	5524	380.612	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	97201	98.111	ug/l	100
52) Toluene	10.39	92	89674	20.875	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	45325	20.045	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	53163	20.587	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	26517	20.755	ug/l	96
56) Ethyl methacrylate	10.65	69	34358	19.499	ug/l	98
57) 1,3-Dichloropropane	10.93	76	43879	20.503	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	81247	104.102	ug/l	97
59) 2-Hexanone	10.97	43	68514	96.944	ug/l	99
60) Dibromochloromethane	11.13	129	34337	21.236	ug/l	98
61) 1,2-Dibromoethane	11.24	107	26869	20.761	ug/l	98
64) Tetrachloroethene	10.86	164	33308	21.409	ug/l	96
65) Chlorobenzene	11.66	112	99167	20.848	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	36570	21.462	ug/l	99
67) Ethyl Benzene	11.73	91	170240	20.272	ug/l	97
68) m/p-Xylenes	11.84	106	136812	41.534	ug/l	97
69) o-Xylene	12.16	106	63812	20.447	ug/l	100
70) Styrene	12.18	104	109259	20.634	ug/l	99
71) Bromoform	12.35	173	19096	20.351	ug/l #	98
73) Isopropylbenzene	12.47	105	174297	19.766	ug/l	100
74) N-amyl acetate	12.27	43	35688	17.661	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	30035	18.726	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	17054m	15.119	ug/l	
77) Bromobenzene	12.75	156	42553	21.564	ug/l	93
78) n-propylbenzene	12.80	91	198979	19.363	ug/l	99
79) 2-Chlorotoluene	12.90	91	116906	19.617	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	146633	19.634	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	9786	18.106	ug/l	97
82) 4-Chlorotoluene	12.99	91	121416	19.628	ug/l	100
83) tert-Butylbenzene	13.21	119	129300	19.820	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	145049	19.500	ug/l	99
85) sec-Butylbenzene	13.38	105	178908	19.597	ug/l	100
86) p-Isopropyltoluene	13.50	119	163789	19.821	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	79730	20.594	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	80259	20.662	ug/l	99
89) n-Butylbenzene	13.83	91	150903	19.199	ug/l	99
90) Hexachloroethane	14.10	117	31293	19.565	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	72496	20.551	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5196	17.422	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	49964	20.817	ug/l	99
94) Hexachlorobutadiene	15.24	225	27920	21.775	ug/l	99
95) Naphthalene	15.37	128	95712	18.997	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	43096	20.867	ug/l	99

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

