

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022119\
 Data File : VW008772.D
 Acq On : 21 Feb 2019 16:21
 Operator : SY/VA
 Sample : VW0221SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0221SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/22/2019 12:25:51 PM

Quant Time: Feb 22 01:00:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	319988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	467953	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	433260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	231609	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	163688	54.54	ug/l	0.00
Spiked Amount						
			Recovery	=	109.08%	
35) Dibromofluoromethane	7.88	113	153431	54.61	ug/l	0.00
Spiked Amount						
			Recovery	=	109.22%	
50) Toluene-d8	10.32	98	568174	52.39	ug/l	0.00
Spiked Amount						
			Recovery	=	104.78%	
62) 4-Bromofluorobenzene	12.62	95	217505	51.22	ug/l	0.00
Spiked Amount						
			Recovery	=	102.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	65101	20.313	ug/l	98
3) Chloromethane	2.21	50	81530	20.898	ug/l	96
4) Vinyl Chloride	2.36	62	82676	20.016	ug/l	98
5) Bromomethane	2.75	94	60143	19.603	ug/l	97
6) Chloroethane	2.91	64	61160	20.852	ug/l	99
7) Trichlorofluoromethane	3.25	101	115220	22.055	ug/l	96
8) Diethyl Ether	3.69	74	34536	20.881	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	70940	22.362	ug/l	99
10) Methyl Iodide	4.27	142	84515	21.304	ug/l	100
11) Tert butyl alcohol	5.17	59	28148	105.349	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	60926	21.746	ug/l	93
13) Acrolein	3.90	56	26905	107.694	ug/l	95
14) Allyl chloride	4.67	41	105420	21.801	ug/l	99
15) Acrylonitrile	5.38	53	76380	107.607	ug/l	98
16) Acetone	4.13	43	76215	109.559	ug/l	93
17) Carbon Disulfide	4.38	76	190740	20.519	ug/l #	94
18) Methyl Acetate	4.68	43	34486	20.900	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	165947	21.883	ug/l	97
20) Methylene Chloride	4.92	84	78692	19.886	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	72108	22.250	ug/l	88
22) Diisopropyl ether	6.31	45	210516	21.824	ug/l	98
23) Vinyl Acetate	6.26	43	665015	111.583	ug/l	99
24) 1,1-Dichloroethane	6.22	63	120199	21.504	ug/l	97
25) 2-Butanone	7.18	43	108429	111.487	ug/l	96
26) 2,2-Dichloropropane	7.17	77	110927	21.859	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	76657	22.112	ug/l	97
28) Bromochloromethane	7.51	49	48712	20.825	ug/l	97
29) Tetrahydrofuran	7.53	42	65760	106.100	ug/l	97
30) Chloroform	7.68	83	123142	21.475	ug/l	99
31) Cyclohexane	7.95	56	126773	22.406	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	115022	22.057	ug/l	100
36) 1,1-Dichloropropene	8.08	75	102587	22.521	ug/l	99
37) Ethyl Acetate	7.26	43	45542	21.499	ug/l	97
38) Carbon Tetrachloride	8.07	117	104130	21.676	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	121214	21.334	ug/l	97
40) Benzene	8.32	78	267900	21.540	ug/l	100
41) Methacrylonitrile	7.49	41	25825	20.741	ug/l	93
42) 1,2-Dichloroethane	8.40	62	84541	21.458	ug/l	99
43) Isopropyl Acetate	8.43	43	89962	21.279	ug/l	99
44) Trichloroethene	9.09	130	77344	22.075	ug/l	92
45) 1,2-Dichloropropane	9.37	63	65730	21.387	ug/l	98
46) Dibromomethane	9.46	93	36814	21.534	ug/l	98
47) Bromodichloromethane	9.65	83	90966	21.870	ug/l	96
48) Methyl methacrylate	9.43	41	40099	19.804	ug/l	96
49) 1,4-Dioxane	9.45	88	10431	381.016	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	221995	103.427	ug/l	99
52) Toluene	10.39	92	172993	20.495	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	91037	21.474	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	104961	21.708	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	51172	22.072	ug/l	97
56) Ethyl methacrylate	10.65	69	61079	20.278	ug/l	100
57) 1,3-Dichloropropane	10.93	76	88745	21.680	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	183086	120.855	ug/l	99
59) 2-Hexanone	10.97	43	154589	101.178	ug/l	99
60) Dibromochloromethane	11.13	129	59412	21.010	ug/l	98
61) 1,2-Dibromoethane	11.24	107	49007	21.355	ug/l	99
64) Tetrachloroethene	10.86	164	66613	21.479	ug/l	97
65) Chlorobenzene	11.66	112	194017	21.297	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	66578	21.614	ug/l	98
67) Ethyl Benzene	11.73	91	343528	21.094	ug/l	98
68) m/p-Xylenes	11.84	106	273663	42.056	ug/l	99
69) o-Xylene	12.16	106	127687	20.906	ug/l	99
70) Styrene	12.18	104	203013	20.661	ug/l	99
71) Bromoform	12.35	173	34745	20.984	ug/l #	100
73) Isopropylbenzene	12.47	105	351463	22.136	ug/l	100
74) N-amyl acetate	12.27	43	82069	20.520	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	56285	21.695	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	31842m	16.652	ug/l	
77) Bromobenzene	12.75	156	81632	21.756	ug/l	98
78) n-propylbenzene	12.80	91	429129	22.095	ug/l	99
79) 2-Chlorotoluene	12.90	91	240476	21.808	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	304555	22.072	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15978	20.313	ug/l	96
82) 4-Chlorotoluene	12.99	91	249516	21.472	ug/l	100
83) tert-Butylbenzene	13.21	119	258022	21.627	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	304792	21.339	ug/l	99
85) sec-Butylbenzene	13.38	105	374345	21.821	ug/l	100
86) p-Isopropyltoluene	13.50	119	335537	21.335	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	166838	21.432	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	167848	21.877	ug/l	100
89) n-Butylbenzene	13.83	91	317127	21.524	ug/l	99
90) Hexachloroethane	14.10	117	53412	20.746	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	148028	21.341	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9970	21.244	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	105537	21.117	ug/l	98
94) Hexachlorobutadiene	15.24	225	60323	20.491	ug/l	96
95) Naphthalene	15.37	128	179772	21.127	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	91981	21.286	ug/l	99

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

