

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
 Data File : VW011201.D
 Acq On : 10 Jul 2019 20:56
 Operator : SY/VA
 Sample : VW0711SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/11/2019 2:50:15 PM

Quant Time: Jul 11 08:24:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	203859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	345048	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	311787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	156353	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	137201	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	
35) Dibromofluoromethane	7.88	113	104278	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	10.32	98	416164	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.62	95	154578	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	28806	18.946	ug/l	100
3) Chloromethane	2.20	50	39053	19.934	ug/l	96
4) Vinyl Chloride	2.36	62	49265	19.213	ug/l	95
5) Bromomethane	2.76	94	25780	20.008	ug/l	91
6) Chloroethane	2.91	64	26604	19.262	ug/l	94
7) Trichlorofluoromethane	3.24	101	14255	15.649	ug/l	97
8) Diethyl Ether	3.67	74	27013	21.432	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41515	19.027	ug/l	99
10) Methyl Iodide	4.27	142	58882	19.621	ug/l	99
11) Tert butyl alcohol	5.17	59	19260	101.556	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	43026	18.999	ug/l	89
13) Acrolein	3.89	56	14917	98.777	ug/l	100
14) Allyl chloride	4.66	41	76757	18.586	ug/l	100
15) Acrylonitrile	5.35	53	68846	107.251	ug/l	99
16) Acetone	4.12	43	59062	95.827	ug/l	97
17) Carbon Disulfide	4.38	76	118073	17.197	ug/l	100
18) Methyl Acetate	4.67	43	46633	25.926	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	74304	21.624	ug/l	97
20) Methylene Chloride	4.91	84	51847	21.324	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	46653	19.825	ug/l	97
22) Diisopropyl ether	6.31	45	188790	21.255	ug/l	99
23) Vinyl Acetate	6.25	43	553336	100.662	ug/l	100
24) 1,1-Dichloroethane	6.21	63	95410	20.456	ug/l	100
25) 2-Butanone	7.17	43	101899	105.323	ug/l	96
26) 2,2-Dichloropropane	7.16	77	42317	17.454	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	51764	20.392	ug/l	99
28) Bromochloromethane	7.51	49	44851	21.148	ug/l	99
29) Tetrahydrofuran	7.52	42	68493	107.966	ug/l	100
30) Chloroform	7.67	83	89118	20.631	ug/l	99
31) Cyclohexane	7.95	56	92316	18.604	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	63631	19.365	ug/l	99
36) 1,1-Dichloropropene	8.08	75	68907	18.753	ug/l	99
37) Ethyl Acetate	7.25	43	46755	21.178	ug/l	99
38) Carbon Tetrachloride	8.06	117	56865	18.256	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	82256	18.470	ug/l	96
40) Benzene	8.32	78	202228	19.915	ug/l	99
41) Methacrylonitrile	7.48	41	25732	20.379	ug/l	99
42) 1,2-Dichloroethane	8.40	62	69154	20.993	ug/l	100
43) Isopropyl Acetate	8.42	43	86596	20.776	ug/l	100
44) Trichloroethene	9.09	130	47532	19.451	ug/l	100
45) 1,2-Dichloropropane	9.37	63	56046	20.381	ug/l	98
46) Dibromomethane	9.46	93	27180	21.041	ug/l	99
47) Bromodichloromethane	9.64	83	65104	19.698	ug/l	96
48) Methyl methacrylate	9.43	41	41404	20.648	ug/l	96
49) 1,4-Dioxane	9.45	88	8877	411.705	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	232094	106.597	ug/l	99
52) Toluene	10.38	92	123055	19.977	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	67155	19.088	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	79778	19.265	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	38938	21.248	ug/l	96
56) Ethyl methacrylate	10.64	69	57054	20.449	ug/l	99
57) 1,3-Dichloropropane	10.93	76	72681	20.974	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	155655	120.341	ug/l	99
59) 2-Hexanone	10.97	43	156917	103.921	ug/l	99
60) Dibromochloromethane	11.13	129	40058	19.934	ug/l	99
61) 1,2-Dibromoethane	11.23	107	36252	20.884	ug/l	98
64) Tetrachloroethene	10.86	164	42381	20.144	ug/l	97
65) Chlorobenzene	11.66	112	126956	20.028	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	43895	19.667	ug/l	98
67) Ethyl Benzene	11.73	91	234132	19.294	ug/l	98
68) m/p-Xylenes	11.84	106	171039	38.952	ug/l	99
69) o-Xylene	12.16	106	81403	19.669	ug/l	99
70) Styrene	12.18	104	142068	19.891	ug/l	99
71) Bromoform	12.35	173	22324	18.812	ug/l #	99
73) Isopropylbenzene	12.46	105	220123	18.833	ug/l	99
74) N-amyl acetate	12.27	43	80934	19.882	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	47564	19.853	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	32468m	17.969	ug/l	
77) Bromobenzene	12.74	156	50789	19.363	ug/l	99
78) n-propylbenzene	12.80	91	270853	18.812	ug/l	99
79) 2-Chlorotoluene	12.89	91	158119	19.084	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	190080	19.143	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13684	17.130	ug/l	96
82) 4-Chlorotoluene	12.99	91	168549	19.531	ug/l	99
83) tert-Butylbenzene	13.21	119	156420	18.889	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	192237	19.281	ug/l	99
85) sec-Butylbenzene	13.38	105	223508	18.705	ug/l	100
86) p-Isopropyltoluene	13.50	119	199575	18.621	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	99338	19.684	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	98336	19.350	ug/l	97
89) n-Butylbenzene	13.82	91	198407	18.557	ug/l	99
90) Hexachloroethane	14.09	117	34946	17.843	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	89993	19.656	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7994	18.811	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62753	19.900	ug/l	98
94) Hexachlorobutadiene	15.24	225	37133	19.180	ug/l	99
95) Naphthalene	15.37	128	122258	20.232	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	56444	20.281	ug/l	99

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

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