

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013200.D
 Acq On : 20 Sep 2019 23:36
 Operator : SY/VA
 Sample : VW0920SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:29:02 AM

Quant Time: Sep 21 05:40:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	361380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	533248	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	459878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	233371	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	147675	50.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.14%	
35) Dibromofluoromethane	7.88	113	143023	48.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.54%	
50) Toluene-d8	10.32	98	593427	48.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.70%	
62) 4-Bromofluorobenzene	12.62	95	204934	48.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	39728	19.058	ug/l	99
3) Chloromethane	2.20	50	54729	20.424	ug/l	97
4) Vinyl Chloride	2.35	62	66822	19.343	ug/l	99
5) Bromomethane	2.76	94	44439	20.299	ug/l	93
6) Chloroethane	2.91	64	39677	19.485	ug/l	99
7) Trichlorofluoromethane	3.24	101	33463	16.799	ug/l	97
8) Diethyl Ether	3.67	74	35211	20.694	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	61819	19.061	ug/l	97
10) Methyl Iodide	4.26	142	99622	19.813	ug/l	99
11) Tert butyl alcohol	5.18	59	26564	119.853	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	66425	19.779	ug/l	99
13) Acrolein	3.89	56	14659	86.340	ug/l	98
14) Allyl chloride	4.66	41	105611	19.759	ug/l	99
15) Acrylonitrile	5.36	53	75988	103.469	ug/l	94
16) Acetone	4.12	43	60455	90.893	ug/l	94
17) Carbon Disulfide	4.38	76	187768	19.344	ug/l	100
18) Methyl Acetate	4.66	43	46382	24.808	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	109673	21.308	ug/l	100
20) Methylene Chloride	4.91	84	78315	21.359	ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	73924	20.366	ug/l	99
22) Diisopropyl ether	6.31	45	213462	21.002	ug/l	99
23) Vinyl Acetate	6.25	43	599213	99.378	ug/l	100
24) 1,1-Dichloroethane	6.21	63	126204	20.578	ug/l	99
25) 2-Butanone	7.17	43	102283	102.441	ug/l	100
26) 2,2-Dichloropropane	7.16	77	74734	18.250	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	79827	20.839	ug/l	99
28) Bromochloromethane	7.51	49	40417	17.170	ug/l #	97
29) Tetrahydrofuran	7.53	42	65819	107.491	ug/l	99
30) Chloroform	7.67	83	122509	20.403	ug/l	98
31) Cyclohexane	7.95	56	125010	19.554	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	97481	20.045	ug/l	98
36) 1,1-Dichloropropene	8.08	75	102538	19.853	ug/l	98
37) Ethyl Acetate	7.25	43	46758	21.301	ug/l	99
38) Carbon Tetrachloride	8.06	117	89175	19.260	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.33	83	127257	19.173	ug/l	97
40) Benzene	8.32	78	293037	20.341	ug/l	100
41) Methacrylonitrile	7.48	41	27761	21.190	ug/l	96
42) 1,2-Dichloroethane	8.40	62	79476	20.522	ug/l	100
43) Isopropyl Acetate	8.42	43	83975	19.960	ug/l	100
44) Trichloroethene	9.09	130	79808	19.745	ug/l	92
45) 1,2-Dichloropropane	9.37	63	71095	20.213	ug/l	99
46) Dibromomethane	9.45	93	35014	20.505	ug/l	99
47) Bromodichloromethane	9.64	83	85769	19.740	ug/l	95
48) Methyl methacrylate	9.43	41	40486	20.465	ug/l	98
49) 1,4-Dioxane	9.46	88	10044	391.852	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	221540	105.040	ug/l	99
52) Toluene	10.38	92	186742	20.226	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	87597	19.623	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	107804	19.862	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	53352	20.903	ug/l	97
56) Ethyl methacrylate	10.65	69	70069	20.977	ug/l	99
57) 1,3-Dichloropropane	10.93	76	91994	20.655	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	160846	104.016	ug/l	100
59) 2-Hexanone	10.97	43	145722	100.425	ug/l	100
60) Dibromochloromethane	11.13	129	59216	20.433	ug/l	99
61) 1,2-Dibromoethane	11.23	107	51523	21.232	ug/l	99
64) Tetrachloroethene	10.86	164	73497	21.064	ug/l	99
65) Chlorobenzene	11.66	112	192435	20.039	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	66821	20.368	ug/l	98
67) Ethyl Benzene	11.73	91	349565	20.090	ug/l	100
68) m/p-Xylenes	11.83	106	268853	40.548	ug/l	100
69) o-Xylene	12.16	106	124390	20.178	ug/l	99
70) Styrene	12.18	104	216555	20.462	ug/l	100
71) Bromoform	12.35	173	35435	20.444	ug/l #	99
73) Isopropylbenzene	12.46	105	341162	19.790	ug/l	100
74) N-amyl acetate	12.27	43	76295	19.944	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	59817	20.747	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	45809m	22.227	ug/l	
77) Bromobenzene	12.74	156	82909	20.295	ug/l	98
78) n-propylbenzene	12.80	91	396942	19.671	ug/l	100
79) 2-Chlorotoluene	12.89	91	229042	20.260	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	290411	20.040	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	18178	19.792	ug/l	100
82) 4-Chlorotoluene	12.99	91	236709	19.855	ug/l	98
83) tert-Butylbenzene	13.21	119	252144	19.824	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	287810	19.959	ug/l	99
85) sec-Butylbenzene	13.38	105	346866	19.780	ug/l	100
86) p-Isopropyltoluene	13.49	119	321951	19.794	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	157653	20.052	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	155184	20.125	ug/l	99
89) n-Butylbenzene	13.82	91	288783	19.445	ug/l	100
90) Hexachloroethane	14.09	117	52679	19.280	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	139297	20.479	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8805	19.966	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	95582	19.610	ug/l	99
94) Hexachlorobutadiene	15.24	225	62654	18.789	ug/l	98
95) Naphthalene	15.36	128	159447	20.002	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	81834	19.431	ug/l	98

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

