

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093019\
 Data File : VW013327.D
 Acq On : 30 Sep 2019 12:42
 Operator : SY/VA
 Sample : VW0930SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/1/2019 11:33:21 AM

Quant Time: Sep 30 17:57:48 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	327294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	467836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	393701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	205686	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	133100	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
35) Dibromofluoromethane	7.88	113	132221	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	
50) Toluene-d8	10.32	98	549364	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.62	95	188427	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	35504	18.806	ug/l	94
3) Chloromethane	2.21	50	44449	18.315	ug/l	98
4) Vinyl Chloride	2.36	62	60629	19.378	ug/l	99
5) Bromomethane	2.75	94	38891	19.615	ug/l	97
6) Chloroethane	2.91	64	35175	19.073	ug/l	99
7) Trichlorofluoromethane	3.25	101	32237	17.868	ug/l	94
8) Diethyl Ether	3.68	74	30274	19.646	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	58795	20.017	ug/l	98
10) Methyl Iodide	4.26	142	87187	19.145	ug/l	98
11) Tert butyl alcohol	5.17	59	33648	171.825	ug/l #	80
12) 1,1-Dichloroethene	4.03	96	58309	19.171	ug/l	95
13) Acrolein	3.89	56	14418	93.764	ug/l	97
14) Allyl chloride	4.65	41	94453	19.512	ug/l	99
15) Acrylonitrile	5.36	53	71678	107.765	ug/l	98
16) Acetone	4.12	43	64981	107.873	ug/l	91
17) Carbon Disulfide	4.38	76	169938	19.330	ug/l	99
18) Methyl Acetate	4.66	43	35871	21.184	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	92946	19.939	ug/l	99
20) Methylene Chloride	4.92	84	69576	20.893	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	65090	19.800	ug/l	99
22) Diisopropyl ether	6.31	45	179880	19.541	ug/l	95
23) Vinyl Acetate	6.25	43	547702	100.295	ug/l	99
24) 1,1-Dichloroethane	6.21	63	107626	19.376	ug/l	98
25) 2-Butanone	7.17	43	95445	105.548	ug/l	99
26) 2,2-Dichloropropane	7.16	77	71408	19.450	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	68732	19.811	ug/l	99
28) Bromochloromethane	7.51	49	35795	16.791	ug/l #	100
29) Tetrahydrofuran	7.52	42	59041	106.464	ug/l	98
30) Chloroform	7.67	83	104604	19.235	ug/l	100
31) Cyclohexane	7.95	56	112636	19.453	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	86767	19.700	ug/l	99
36) 1,1-Dichloropropene	8.08	75	90059	19.875	ug/l	99
37) Ethyl Acetate	7.25	43	42965	22.310	ug/l	97
38) Carbon Tetrachloride	8.06	117	82190	20.234	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	115535	19.840	ug/l	97
40) Benzene	8.32	78	255123	20.185	ug/l	98
41) Methacrylonitrile	7.48	41	24290	21.133	ug/l	98
42) 1,2-Dichloroethane	8.40	62	67229	19.787	ug/l	97
43) Isopropyl Acetate	8.42	43	75414	20.432	ug/l	99
44) Trichloroethene	9.09	130	71577	20.184	ug/l	91
45) 1,2-Dichloropropane	9.37	63	60928	19.745	ug/l	95
46) Dibromomethane	9.46	93	30676	20.476	ug/l	97
47) Bromodichloromethane	9.64	83	75224	19.733	ug/l	97
48) Methyl methacrylate	9.43	41	37253	21.464	ug/l	96
49) 1,4-Dioxane	9.45	88	10679	474.877	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	193779	104.724	ug/l	98
52) Toluene	10.39	92	165429	20.422	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	78334	20.001	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	95366	20.027	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	45763	20.437	ug/l	97
56) Ethyl methacrylate	10.65	69	61263	20.905	ug/l	97
57) 1,3-Dichloropropane	10.93	76	80057	20.488	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	137170	101.107	ug/l	99
59) 2-Hexanone	10.97	43	134867	105.940	ug/l	100
60) Dibromochloromethane	11.13	129	52926	20.816	ug/l	98
61) 1,2-Dibromoethane	11.24	107	42541	19.981	ug/l	96
64) Tetrachloroethene	10.86	164	62173	20.814	ug/l	98
65) Chlorobenzene	11.66	112	169047	20.562	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	58358	20.778	ug/l	98
67) Ethyl Benzene	11.73	91	311641	20.921	ug/l	99
68) m/p-Xylenes	11.84	106	236201	41.612	ug/l	99
69) o-Xylene	12.16	106	109360	20.722	ug/l	96
70) Styrene	12.18	104	189115	20.873	ug/l	99
71) Bromoform	12.35	173	31754	21.400	ug/l #	100
73) Isopropylbenzene	12.46	105	304032	20.010	ug/l	100
74) N-amyl acetate	12.27	43	67192	19.929	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	52607	20.702	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	41801m	23.012	ug/l	
77) Bromobenzene	12.74	156	71793	19.939	ug/l	98
78) n-propylbenzene	12.80	91	356377	20.038	ug/l	99
79) 2-Chlorotoluene	12.89	91	197490	19.820	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	256589	20.089	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	17821	22.014	ug/l	96
82) 4-Chlorotoluene	12.99	91	206304	19.634	ug/l	99
83) tert-Butylbenzene	13.21	119	225084	20.078	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	253892	19.976	ug/l	99
85) sec-Butylbenzene	13.38	105	311738	20.170	ug/l	100
86) p-Isopropyltoluene	13.50	119	291494	20.334	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	140400	20.261	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	139305	20.497	ug/l	99
89) n-Butylbenzene	13.82	91	263187	20.107	ug/l	99
90) Hexachloroethane	14.10	117	49425	20.524	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	122352	20.409	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8025	20.647	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	88288	20.552	ug/l	99
94) Hexachlorobutadiene	15.24	225	59943	20.396	ug/l	99
95) Naphthalene	15.36	128	146333	20.827	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	74593	20.095	ug/l	98

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

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