

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012219\
 Data File : VW008389.D
 Acq On : 22 Jan 2019 15:30
 Operator : SY/VA
 Sample : VW0122SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/23/2019 11:42:34 AM

Quant Time: Jan 23 01:31:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	103796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	181218	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	169521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	90370	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	66350	61.45	ug/l	0.00
Spiked Amount			Recovery	=	122.90%	
35) Dibromofluoromethane	7.88	113	62766	54.26	ug/l	0.00
Spiked Amount			Recovery	=	108.52%	
50) Toluene-d8	10.32	98	270637	59.55	ug/l	0.00
Spiked Amount			Recovery	=	119.10%	
62) 4-Bromofluorobenzene	12.62	95	94810	58.17	ug/l	0.00
Spiked Amount			Recovery	=	116.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	14728	22.519	ug/l	97
3) Chloromethane	2.21	50	23051	24.044	ug/l	99
4) Vinyl Chloride	2.36	62	29909	24.416	ug/l	93
5) Bromomethane	2.78	94	26616	28.671	ug/l	92
6) Chloroethane	2.92	64	19633	24.486	ug/l	95
7) Trichlorofluoromethane	3.26	101	24728	27.493	ug/l	92
8) Diethyl Ether	3.68	74	14814	23.752	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	24045	22.962	ug/l	90
10) Methyl Iodide	4.26	142	31849	18.858	ug/l	96
11) Tert butyl alcohol	5.18	59	7004m	96.344	ug/l	
12) 1,1-Dichloroethene	4.03	96	22381	21.014	ug/l	93
13) Acrolein	3.89	56	5678	80.847	ug/l	97
14) Allyl chloride	4.66	41	39301	22.073	ug/l	98
15) Acrylonitrile	5.37	53	28621	119.460	ug/l	99
16) Acetone	4.12	43	27432	109.400	ug/l	98
17) Carbon Disulfide	4.37	76	63315	19.537	ug/l	99
18) Methyl Acetate	4.67	43	17335	25.880	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	37918	23.258	ug/l	96
20) Methylene Chloride	4.91	84	27447	21.573	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	25558	21.366	ug/l	94
22) Diisopropyl ether	6.31	45	83032	23.887	ug/l	99
23) Vinyl Acetate	6.25	43	221075	118.978	ug/l	96
24) 1,1-Dichloroethane	6.21	63	48937	23.121	ug/l	99
25) 2-Butanone	7.17	43	38752	120.662	ug/l	94
26) 2,2-Dichloropropane	7.17	77	31300	23.174	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	28288	21.827	ug/l	94
28) Bromochloromethane	7.51	49	20480	23.487	ug/l #	100
29) Tetrahydrofuran	7.53	42	23681	118.277	ug/l	100
30) Chloroform	7.67	83	49880	23.819	ug/l	99
31) Cyclohexane	7.95	56	44196	21.916	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	40600	23.101	ug/l	97
36) 1,1-Dichloropropene	8.08	75	38988	21.384	ug/l	100
37) Ethyl Acetate	7.25	43	16327	21.716	ug/l #	94
38) Carbon Tetrachloride	8.06	117	37501	20.830	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	46396	21.393	ug/l	98
40) Benzene	8.32	78	110386	21.374	ug/l	98
41) Methacrylonitrile	7.49	41	9768	22.318	ug/l	98
42) 1,2-Dichloroethane	8.40	62	30635	21.213	ug/l	98
43) Isopropyl Acetate	8.43	43	31444	22.141	ug/l	96
44) Trichloroethene	9.09	130	28531	20.164	ug/l	91
45) 1,2-Dichloropropane	9.37	63	29050	22.645	ug/l	96
46) Dibromomethane	9.46	93	14458	21.624	ug/l	92
47) Bromodichloromethane	9.65	83	37133	22.515	ug/l	95
48) Methyl methacrylate	9.43	41	14237	21.295	ug/l	92
49) 1,4-Dioxane	9.46	88	4532	421.054	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	81711	113.626	ug/l	98
52) Toluene	10.39	92	73567	22.509	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	36558	22.209	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	42905	22.111	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	21638	23.332	ug/l	99
56) Ethyl methacrylate	10.65	69	23817	21.868	ug/l	96
57) 1,3-Dichloropropane	10.93	76	36806	22.858	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	64624	123.013	ug/l	98
59) 2-Hexanone	10.97	43	57627	114.371	ug/l	96
60) Dibromochloromethane	11.13	129	23638	21.357	ug/l	100
61) 1,2-Dibromoethane	11.24	107	19610	21.837	ug/l	95
64) Tetrachloroethene	10.86	164	23376	19.666	ug/l	98
65) Chlorobenzene	11.66	112	79368	21.464	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	27680	21.750	ug/l	96
67) Ethyl Benzene	11.73	91	137834	21.468	ug/l	96
68) m/p-Xylenes	11.84	106	110175	44.211	ug/l	100
69) o-Xylene	12.17	106	49803	21.391	ug/l	98
70) Styrene	12.18	104	82906	22.169	ug/l	99
71) Bromoform	12.35	173	13585	21.428	ug/l #	99
73) Isopropylbenzene	12.47	105	137378	20.864	ug/l	100
74) N-amyl acetate	12.27	43	29219	20.706	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	24616	21.979	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	17959m	21.822	ug/l	
77) Bromobenzene	12.75	156	28906	18.276	ug/l	82
78) n-propylbenzene	12.80	91	166260	20.861	ug/l	99
79) 2-Chlorotoluene	12.90	91	97310	21.370	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	118387	21.546	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.52	75	7165	20.777	ug/l	92
82) 4-Chlorotoluene	12.99	91	102233	21.485	ug/l	98
83) tert-Butylbenzene	13.21	119	103929	21.490	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	121432	21.694	ug/l	98
85) sec-Butylbenzene	13.39	105	151322	21.793	ug/l	98
86) p-Isopropyltoluene	13.50	119	132291	21.814	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	65934	20.981	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	65806	20.902	ug/l	98
89) n-Butylbenzene	13.83	91	127921	21.990	ug/l	98
90) Hexachloroethane	14.10	117	24429	21.766	ug/l	88
91) 1,2-Dichlorobenzene	13.87	146	58612	21.125	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4290	23.425	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	37627	20.034	ug/l	96
94) Hexachlorobutadiene	15.24	225	20833	19.682	ug/l	97
95) Naphthalene	15.37	128	63970	19.912	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	32930	20.129	ug/l	99

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

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