

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072019\
 Data File : VW011393.D
 Acq On : 20 Jul 2019 00:25
 Operator : SY/VA
 Sample : VW0720SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 9:21:51 AM

Quant Time: Jul 20 06:40:56 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	211318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	360073	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	318342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	155562	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	126246	47.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.10%	
35) Dibromofluoromethane	7.88	113	100533	46.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.68%	
50) Toluene-d8	10.32	98	402091	46.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.70%	
62) 4-Bromofluorobenzene	12.61	95	146928	46.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	26156	16.596	ug/l	96
3) Chloromethane	2.21	50	43564	21.452	ug/l	95
4) Vinyl Chloride	2.35	62	49388	18.581	ug/l	98
5) Bromomethane	2.76	94	25694	19.237	ug/l	97
6) Chloroethane	2.92	64	27574	19.260	ug/l	94
7) Trichlorofluoromethane	3.25	101	18914	20.030	ug/l	96
8) Diethyl Ether	3.68	74	26329	20.152	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41957	18.550	ug/l	98
10) Methyl Iodide	4.26	142	61210	19.677	ug/l	98
11) Tert butyl alcohol	5.17	59	23512	119.600	ug/l	97
12) 1,1-Dichloroethene	4.03	96	44240	18.845	ug/l	92
13) Acrolein	3.89	56	11490	73.399	ug/l	100
14) Allyl chloride	4.66	41	91220	21.309	ug/l	98
15) Acrylonitrile	5.37	53	68580	103.066	ug/l	98
16) Acetone	4.12	43	63557	99.480	ug/l	99
17) Carbon Disulfide	4.38	76	128186	18.011	ug/l	100
18) Methyl Acetate	4.67	43	48615	26.082	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	74816	21.004	ug/l	96
20) Methylene Chloride	4.92	84	59651	23.667	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	49718	20.382	ug/l	89
22) Diisopropyl ether	6.31	45	191530	20.802	ug/l	99
23) Vinyl Acetate	6.25	43	532240	93.406	ug/l	100
24) 1,1-Dichloroethane	6.21	63	100191	20.723	ug/l	100
25) 2-Butanone	7.16	43	100204	99.915	ug/l	98
26) 2,2-Dichloropropane	7.16	77	51003	20.294	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	54810	20.830	ug/l	99
28) Bromochloromethane	7.51	49	44098	20.059	ug/l	99
29) Tetrahydrofuran	7.53	42	66224	100.705	ug/l	99
30) Chloroform	7.67	83	92029	20.553	ug/l	96
31) Cyclohexane	7.95	56	94646	18.401	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	68072	19.986	ug/l	100
36) 1,1-Dichloropropene	8.08	75	73370	19.135	ug/l	99
37) Ethyl Acetate	7.25	43	47103	20.445	ug/l	99
38) Carbon Tetrachloride	8.07	117	60545	18.626	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	82363	17.722	ug/l	98
40) Benzene	8.32	78	209889	19.807	ug/l	99
41) Methacrylonitrile	7.48	41	26407	20.041	ug/l	97
42) 1,2-Dichloroethane	8.40	62	68359	19.886	ug/l	100
43) Isopropyl Acetate	8.42	43	82719	19.018	ug/l	99
44) Trichloroethene	9.09	130	49897	19.567	ug/l	98
45) 1,2-Dichloropropane	9.37	63	56651	19.742	ug/l	96
46) Dibromomethane	9.46	93	26772	19.861	ug/l	98
47) Bromodichloromethane	9.65	83	67692	19.626	ug/l	100
48) Methyl methacrylate	9.43	41	39509	18.880	ug/l	98
49) 1,4-Dioxane	9.45	88	8613	382.793	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	220096	96.868	ug/l	99
52) Toluene	10.38	92	126393	19.662	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	66659	18.157	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	78597	18.188	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	37380	19.547	ug/l	97
56) Ethyl methacrylate	10.65	69	54468	18.708	ug/l	98
57) 1,3-Dichloropropane	10.93	76	71230	19.697	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	134306	99.503	ug/l	99
59) 2-Hexanone	10.97	43	146152	92.753	ug/l	99
60) Dibromochloromethane	11.13	129	40525	19.325	ug/l	98
61) 1,2-Dibromoethane	11.23	107	35277	19.475	ug/l	99
64) Tetrachloroethene	10.86	164	45196	21.040	ug/l	97
65) Chlorobenzene	11.66	112	127411	19.686	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	44172	19.383	ug/l	99
67) Ethyl Benzene	11.73	91	238709	19.266	ug/l	100
68) m/p-Xylenes	11.84	106	176602	39.391	ug/l	99
69) o-Xylene	12.16	106	82466	19.516	ug/l	100
70) Styrene	12.18	104	144263	19.782	ug/l	100
71) Bromoform	12.35	173	22434	18.515	ug/l #	98
73) Isopropylbenzene	12.46	105	225192	19.365	ug/l	99
74) N-amyl acetate	12.27	43	73486	18.145	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	46576	19.539	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	38567m	21.453	ug/l	
77) Bromobenzene	12.75	156	51024	19.552	ug/l	98
78) n-propylbenzene	12.80	91	278566	19.446	ug/l	100
79) 2-Chlorotoluene	12.89	91	160579	19.480	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	193621	19.599	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11673	14.686	ug/l	97
82) 4-Chlorotoluene	12.99	91	171266	19.947	ug/l	100
83) tert-Butylbenzene	13.21	119	159792	19.394	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	194995	19.657	ug/l	100
85) sec-Butylbenzene	13.38	105	225953	19.005	ug/l	100
86) p-Isopropyltoluene	13.50	119	203782	19.111	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	99364	19.789	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	99451	19.669	ug/l	98
89) n-Butylbenzene	13.82	91	201979	18.988	ug/l	99
90) Hexachloroethane	14.10	117	36064	18.508	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	89827	19.720	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7664	18.126	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	61309	19.541	ug/l	98
94) Hexachlorobutadiene	15.24	225	37278	19.353	ug/l	99
95) Naphthalene	15.37	128	112841	18.768	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	55347	19.988	ug/l	98

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

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