

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032919\
 Data File : VW009574.D
 Acq On : 29 Mar 2019 16:25
 Operator : SY/VA
 Sample : VW0329SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:04:49 AM

Quant Time: Mar 29 17:12:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:17:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	275544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	424887	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	393141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	218518	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	168936	53.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.22%	
35) Dibromofluoromethane	7.88	113	142534	53.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.82%	
50) Toluene-d8	10.32	98	535454	54.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.58%	
62) 4-Bromofluorobenzene	12.62	95	196525	53.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.82%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	44167	24.891	ug/l	99
3) Chloromethane	2.21	50	51757	22.297	ug/l	98
4) Vinyl Chloride	2.37	62	69045	22.272	ug/l	99
5) Bromomethane	2.77	94	54796	22.910	ug/l	93
6) Chloroethane	2.92	64	50452	21.975	ug/l	98
7) Trichlorofluoromethane	3.25	101	44734	21.119	ug/l	90
8) Diethyl Ether	3.67	74	32976	23.185	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	63717	22.420	ug/l	98
10) Methyl Iodide	4.26	142	85918	22.156	ug/l	97
11) Tert butyl alcohol	5.17	59	21370	116.972	ug/l	97
12) 1,1-Dichloroethene	4.03	96	59278	22.288	ug/l	97
13) Acrolein	3.89	56	13584	101.375	ug/l	93
14) Allyl chloride	4.65	41	86616	20.362	ug/l	96
15) Acrylonitrile	5.36	53	69017	106.160	ug/l	96
16) Acetone	4.12	43	84613	119.435	ug/l	97
17) Carbon Disulfide	4.37	76	167045	22.074	ug/l	98
18) Methyl Acetate	4.67	43	34371	20.071	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	80833	21.853	ug/l	94
20) Methylene Chloride	4.92	84	77596	26.062	ug/l	92
21) trans-1,2-Dichloroethene	5.41	96	62702	22.205	ug/l	94
22) Diisopropyl ether	6.31	45	203338	22.134	ug/l	98
23) Vinyl Acetate	6.25	43	653198	113.974	ug/l	99
24) 1,1-Dichloroethane	6.21	63	121600	21.992	ug/l	97
25) 2-Butanone	7.17	43	111342	113.732	ug/l	100
26) 2,2-Dichloropropane	7.16	77	70230	22.215	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	69755	22.619	ug/l	96
28) Bromochloromethane	7.51	49	52309	21.832	ug/l	96
29) Tetrahydrofuran	7.52	42	69836	114.883	ug/l	99
30) Chloroform	7.67	83	128100	22.368	ug/l	98
31) Cyclohexane	7.95	56	111385	21.487	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	100670	21.714	ug/l	98
36) 1,1-Dichloropropene	8.08	75	99392	22.616	ug/l	99
37) Ethyl Acetate	7.24	43	50613	24.241	ug/l	100
38) Carbon Tetrachloride	8.06	117	99754	22.152	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	109204	21.754	ug/l	95
40) Benzene	8.32	78	266899	22.422	ug/l	96
41) Methacrylonitrile	7.48	41	28181	23.022	ug/l	92
42) 1,2-Dichloroethane	8.40	62	90932	22.407	ug/l	100
43) Isopropyl Acetate	8.42	43	92151	22.520	ug/l	99
44) Trichloroethene	9.09	130	68469	22.218	ug/l	95
45) 1,2-Dichloropropane	9.37	63	67186	22.051	ug/l	99
46) Dibromomethane	9.46	93	38997	23.626	ug/l	94
47) Bromodichloromethane	9.64	83	93714	22.258	ug/l	95
48) Methyl methacrylate	9.43	41	42761	22.293	ug/l	99
49) 1,4-Dioxane	9.45	88	11271	458.537	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	249628	114.022	ug/l	100
52) Toluene	10.38	92	169759	22.772	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	89692	21.756	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	103887	22.727	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	50283	22.538	ug/l	94
56) Ethyl methacrylate	10.65	69	61254	22.115	ug/l	96
57) 1,3-Dichloropropane	10.93	76	89480	22.626	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	152473	112.452	ug/l	99
59) 2-Hexanone	10.97	43	179922	118.749	ug/l	97
60) Dibromochloromethane	11.13	129	60692	22.529	ug/l	100
61) 1,2-Dibromoethane	11.23	107	47739	22.313	ug/l	100
64) Tetrachloroethene	10.86	164	58182	21.797	ug/l	91
65) Chlorobenzene	11.66	112	183493	22.161	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	66855	22.160	ug/l	98
67) Ethyl Benzene	11.73	91	326740	22.398	ug/l	99
68) m/p-Xylenes	11.84	106	249738	45.086	ug/l	98
69) o-Xylene	12.16	106	114471	22.191	ug/l	99
70) Styrene	12.18	104	194633	22.589	ug/l	100
71) Bromoform	12.35	173	36959	22.764	ug/l #	98
73) Isopropylbenzene	12.46	105	330376	21.725	ug/l	99
74) N-amyl acetate	12.27	43	90157	22.489	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	65153	22.655	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	43953m	11.354	ug/l	
77) Bromobenzene	12.75	156	75703	21.617	ug/l	97
78) n-propylbenzene	12.80	91	416154	22.192	ug/l	100
79) 2-Chlorotoluene	12.89	91	233754	21.935	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	283944	22.171	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	18405	20.828	ug/l	90
82) 4-Chlorotoluene	12.99	91	247106	22.033	ug/l	99
83) tert-Butylbenzene	13.21	119	240726	22.081	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	293250	22.274	ug/l	99
85) sec-Butylbenzene	13.38	105	361429	21.975	ug/l	99
86) p-Isopropyltoluene	13.50	119	318385	22.256	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	158511	21.922	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	156630	21.687	ug/l	98
89) n-Butylbenzene	13.83	91	314065	22.242	ug/l	99
90) Hexachloroethane	14.10	117	59929	21.876	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	146743	22.695	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12301	23.430	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	97410	23.393	ug/l	99
94) Hexachlorobutadiene	15.24	225	61167	22.873	ug/l	99
95) Naphthalene	15.37	128	170815	21.807	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	85694	23.034	ug/l	100

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

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