

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090219\
 Data File : VW012490.D
 Acq On : 02 Sep 2019 11:24
 Operator : SY/VA
 Sample : VW0902SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 10:56:12 AM

Quant Time: Sep 03 07:55:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	198114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	310102	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	264231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	127658	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	130025	55.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.42%	
35) Dibromofluoromethane	7.88	113	101004	54.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.14%	
50) Toluene-d8	10.32	98	403929	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
62) 4-Bromofluorobenzene	12.62	95	144116	54.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	20703	16.972	ug/l	99
3) Chloromethane	2.21	50	34676	18.348	ug/l	100
4) Vinyl Chloride	2.36	62	39037	16.876	ug/l	97
5) Bromomethane	2.75	94	18123	15.470	ug/l	96
6) Chloroethane	2.90	64	21963	16.831	ug/l	91
7) Trichlorofluoromethane	3.25	101	23708	20.411	ug/l	100
8) Diethyl Ether	3.68	74	21012	19.058	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	38454	19.477	ug/l	100
10) Methyl Iodide	4.26	142	48107	18.009	ug/l	97
11) Tert butyl alcohol	5.18	59	15309	108.017	ug/l	100
12) 1,1-Dichloroethene	4.03	96	36776	18.507	ug/l	95
13) Acrolein	3.89	56	10221	76.612	ug/l	96
14) Allyl chloride	4.66	41	83077	19.555	ug/l	100
15) Acrylonitrile	5.36	53	55857	102.215	ug/l	99
16) Acetone	4.12	43	61163	101.598	ug/l	99
17) Carbon Disulfide	4.37	76	90175	15.015	ug/l	97
18) Methyl Acetate	4.66	43	34462	23.112	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	69668	21.679	ug/l	100
20) Methylene Chloride	4.90	84	42522	18.684	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	40561	19.034	ug/l	98
22) Diisopropyl ether	6.31	45	160653	20.401	ug/l	96
23) Vinyl Acetate	6.25	43	472478	97.495	ug/l	100
24) 1,1-Dichloroethane	6.21	63	84394	19.683	ug/l	100
25) 2-Butanone	7.17	43	82600	100.970	ug/l	99
26) 2,2-Dichloropropane	7.17	77	52514	21.639	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	44550	19.568	ug/l	95
28) Bromochloromethane	7.51	49	38759	20.741	ug/l	98
29) Tetrahydrofuran	7.53	42	50410	102.709	ug/l	99
30) Chloroform	7.67	83	82039	20.914	ug/l	96
31) Cyclohexane	7.95	56	77136	18.184	ug/l #	94
32) 1,1,1-Trichloroethane	7.87	97	65143	20.992	ug/l	99
36) 1,1-Dichloropropene	8.07	75	66304	20.691	ug/l	98
37) Ethyl Acetate	7.24	43	36318	20.682	ug/l	100
38) Carbon Tetrachloride	8.06	117	59079	21.300	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	69083	19.189	ug/l	97
40) Benzene	8.32	78	174320	19.922	ug/l	99
41) Methacrylonitrile	7.48	41	22278	21.585	ug/l	98
42) 1,2-Dichloroethane	8.40	62	59576	21.724	ug/l	100
43) Isopropyl Acetate	8.42	43	66285	20.378	ug/l	99
44) Trichloroethene	9.09	130	43855	20.617	ug/l	94
45) 1,2-Dichloropropane	9.37	63	48045	20.402	ug/l	98
46) Dibromomethane	9.46	93	21823	20.828	ug/l	98
47) Bromodichloromethane	9.64	83	59059	21.179	ug/l	96
48) Methyl methacrylate	9.43	41	31980	20.657	ug/l	98
49) 1,4-Dioxane	9.45	88	6341	395.313	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	172869	104.488	ug/l	100
52) Toluene	10.38	92	107088	20.372	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	57705	20.315	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	67952	19.812	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	31703	21.385	ug/l	98
56) Ethyl methacrylate	10.65	69	44609	20.675	ug/l	99
57) 1,3-Dichloropropane	10.93	76	58729	20.963	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	116971	105.632	ug/l	100
59) 2-Hexanone	10.97	43	123219	105.259	ug/l	98
60) Dibromochloromethane	11.13	129	33987	20.583	ug/l	97
61) 1,2-Dibromoethane	11.23	107	27905	20.205	ug/l	97
64) Tetrachloroethene	10.86	164	36461	21.284	ug/l	98
65) Chlorobenzene	11.66	112	109388	21.024	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	39163	21.576	ug/l	98
67) Ethyl Benzene	11.73	91	208563	20.809	ug/l	100
68) m/p-Xylenes	11.84	106	150872	41.790	ug/l	99
69) o-Xylene	12.16	106	69020	20.656	ug/l	99
70) Styrene	12.18	104	121334	20.979	ug/l	99
71) Bromoform	12.35	173	19632	21.709	ug/l #	98
73) Isopropylbenzene	12.46	105	199880	20.896	ug/l	98
74) N-amyl acetate	12.27	43	57967	20.058	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	36540	20.836	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	24888m	20.018	ug/l	
77) Bromobenzene	12.74	156	43156	20.854	ug/l	98
78) n-propylbenzene	12.80	91	244524	20.940	ug/l	99
79) 2-Chlorotoluene	12.89	91	138067	20.825	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	167710	20.982	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11915	21.012	ug/l	99
82) 4-Chlorotoluene	12.99	91	147076	21.186	ug/l	100
83) tert-Butylbenzene	13.21	119	143114	21.137	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	167877	20.908	ug/l	99
85) sec-Butylbenzene	13.38	105	203505	20.979	ug/l	100
86) p-Isopropyltoluene	13.50	119	180598	20.847	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	84502	20.877	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	84042	20.911	ug/l	98
89) n-Butylbenzene	13.82	91	179296	20.813	ug/l	99
90) Hexachloroethane	14.09	117	31212	20.536	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	74098	20.867	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6005	20.312	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	49846	20.313	ug/l	98
94) Hexachlorobutadiene	15.24	225	33678	20.785	ug/l	99
95) Naphthalene	15.36	128	82560	19.985	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	41872	19.558	ug/l	96

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

