

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083119\
 Data File : VW012417.D
 Acq On : 31 Aug 2019 23:44
 Operator : SY/VA
 Sample : VW0831SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:42:04 AM

Quant Time: Sep 01 05:01:02 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	187135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	308018	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	273841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	135205	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	128467	57.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.50%	
35) Dibromofluoromethane	7.88	113	96520	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
50) Toluene-d8	10.32	98	383555	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.62	95	138448	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	17851	15.492	ug/l	90
3) Chloromethane	2.21	50	32213	18.045	ug/l	97
4) Vinyl Chloride	2.35	62	36385	16.652	ug/l	96
5) Bromomethane	2.76	94	21305	19.253	ug/l	98
6) Chloroethane	2.92	64	22906	18.584	ug/l	98
7) Trichlorofluoromethane	3.25	101	19744	17.996	ug/l	91
8) Diethyl Ether	3.68	74	21304	20.457	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	34808	18.665	ug/l	99
10) Methyl Iodide	4.27	142	47718	18.911	ug/l	99
11) Tert butyl alcohol	5.16	59	17391	129.906	ug/l	100
12) 1,1-Dichloroethene	4.04	96	32683	17.412	ug/l	96
13) Acrolein	3.89	56	10222	81.115	ug/l	98
14) Allyl chloride	4.67	41	75544	18.825	ug/l	98
15) Acrylonitrile	5.36	53	59186	114.661	ug/l	98
16) Acetone	4.12	43	54245	95.393	ug/l	98
17) Carbon Disulfide	4.38	76	83173	14.662	ug/l	100
18) Methyl Acetate	4.67	43	38397	27.262	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	69260	22.817	ug/l	97
20) Methylene Chloride	4.91	84	45356	21.099	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	37343	18.552	ug/l	96
22) Diisopropyl ether	6.31	45	159998	21.510	ug/l	99
23) Vinyl Acetate	6.25	43	463993	101.362	ug/l	100
24) 1,1-Dichloroethane	6.21	63	81197	20.049	ug/l	99
25) 2-Butanone	7.16	43	82799	107.152	ug/l	99
26) 2,2-Dichloropropane	7.16	77	44243	19.300	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	42786	19.895	ug/l	98
28) Bromochloromethane	7.51	49	39665	22.471	ug/l	99
29) Tetrahydrofuran	7.52	42	54204	116.919	ug/l	100
30) Chloroform	7.67	83	77473	20.909	ug/l	100
31) Cyclohexane	7.95	56	66404	16.572	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	60426	20.615	ug/l	98
36) 1,1-Dichloropropene	8.08	75	57179	17.964	ug/l	99
37) Ethyl Acetate	7.25	43	38134	21.863	ug/l	99
38) Carbon Tetrachloride	8.07	117	52447	19.037	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	57100	15.968	ug/l	98
40) Benzene	8.32	78	166957	19.209	ug/l	98
41) Methacrylonitrile	7.48	41	23048	22.483	ug/l	97
42) 1,2-Dichloroethane	8.40	62	58397	21.438	ug/l	100
43) Isopropyl Acetate	8.42	43	69611	21.545	ug/l	98
44) Trichloroethene	9.09	130	40445	19.142	ug/l	99
45) 1,2-Dichloropropane	9.37	63	47531	20.320	ug/l	99
46) Dibromomethane	9.46	93	22120	21.254	ug/l	96
47) Bromodichloromethane	9.64	83	56740	20.485	ug/l	98
48) Methyl methacrylate	9.43	41	33066	21.503	ug/l	96
49) 1,4-Dioxane	9.44	88	7458	468.096	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	186162	113.284	ug/l	98
52) Toluene	10.39	92	99879	19.129	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	55560	19.692	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	64731	19.001	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	31056	21.090	ug/l	99
56) Ethyl methacrylate	10.65	69	45170	21.077	ug/l	99
57) 1,3-Dichloropropane	10.93	76	58829	21.141	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	120977	109.989	ug/l	99
59) 2-Hexanone	10.97	43	125021	107.521	ug/l	99
60) Dibromochloromethane	11.13	129	34788	21.210	ug/l	99
61) 1,2-Dibromoethane	11.24	107	29104	21.215	ug/l	99
64) Tetrachloroethene	10.86	164	35004	19.716	ug/l	98
65) Chlorobenzene	11.66	112	105548	19.574	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	37730	20.057	ug/l	99
67) Ethyl Benzene	11.73	91	194746	18.749	ug/l	99
68) m/p-Xylenes	11.83	106	142039	37.963	ug/l	100
69) o-Xylene	12.16	106	65795	19.000	ug/l	98
70) Styrene	12.18	104	117890	19.668	ug/l	100
71) Bromoform	12.35	173	19687	21.006	ug/l #	98
73) Isopropylbenzene	12.46	105	186692	18.428	ug/l	100
74) N-amyl acetate	12.27	43	61449	20.076	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	38178	20.555	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	25944m	19.702	ug/l	
77) Bromobenzene	12.74	156	43021	19.629	ug/l	99
78) n-propylbenzene	12.80	91	226455	18.310	ug/l	100
79) 2-Chlorotoluene	12.89	91	133074	18.951	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	161183	19.040	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	10957	18.244	ug/l	94
82) 4-Chlorotoluene	12.99	91	140244	19.075	ug/l	100
83) tert-Butylbenzene	13.21	119	136424	19.024	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	163903	19.274	ug/l	98
85) sec-Butylbenzene	13.38	105	189756	18.470	ug/l	100
86) p-Isopropyltoluene	13.49	119	171941	18.740	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	83004	19.362	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	82628	19.411	ug/l	99
89) n-Butylbenzene	13.82	91	164513	18.031	ug/l	100
90) Hexachloroethane	14.09	117	30662	19.048	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	73731	19.605	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6879	21.969	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	50247	19.334	ug/l	100
94) Hexachlorobutadiene	15.24	225	34209	19.934	ug/l	99
95) Naphthalene	15.36	128	87647	20.022	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	44327	19.549	ug/l	98

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

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