

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011619\
 Data File : VW008303.D
 Acq On : 16 Jan 2019 12:54
 Operator : SY/VA
 Sample : VW0116SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/17/2019 11:33:34 AM

Quant Time: Jan 17 05:46:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	94411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	156251	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	147047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	76552	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	50840	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
35) Dibromofluoromethane	7.88	113	50329	55.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.46%	
50) Toluene-d8	10.32	98	199934	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
62) 4-Bromofluorobenzene	12.62	95	72725	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	13396	17.386	ug/l	97
3) Chloromethane	2.21	50	17845	17.852	ug/l	94
4) Vinyl Chloride	2.36	62	24813	19.019	ug/l	95
5) Bromomethane	2.78	94	18105	18.525	ug/l	95
6) Chloroethane	2.93	64	16927	17.242	ug/l	99
7) Trichlorofluoromethane	3.25	101	19748	18.618	ug/l	99
8) Diethyl Ether	3.67	74	12325	20.555	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	21479	20.396	ug/l	97
10) Methyl Iodide	4.25	142	28557	18.606	ug/l	97
11) Tert butyl alcohol	5.17	59	8412	114.679	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	20544	19.870	ug/l	84
13) Acrolein	3.89	56	5044	70.325	ug/l	93
14) Allyl chloride	4.67	41	33955	18.088	ug/l	98
15) Acrylonitrile	5.37	53	25522	111.799	ug/l	98
16) Acetone	4.12	43	24782	118.835	ug/l	97
17) Carbon Disulfide	4.37	76	57907	17.929	ug/l	98
18) Methyl Acetate	4.66	43	14741	21.980	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	31900	18.979	ug/l	100
20) Methylene Chloride	4.91	84	24982	21.137	ug/l	84
21) trans-1,2-Dichloroethene	5.41	96	21733	19.343	ug/l	97
22) Diisopropyl ether	6.32	45	67978	18.988	ug/l	96
23) Vinyl Acetate	6.26	43	188146	100.065	ug/l	98
24) 1,1-Dichloroethane	6.21	63	39925	19.140	ug/l	99
25) 2-Butanone	7.17	43	34408	116.546	ug/l	98
26) 2,2-Dichloropropane	7.16	77	27009	19.109	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	23609	19.259	ug/l	98
28) Bromochloromethane	7.51	49	15955	19.338	ug/l	97
29) Tetrahydrofuran	7.53	42	21408	108.554	ug/l	96
30) Chloroform	7.67	83	40650	20.473	ug/l	99
31) Cyclohexane	7.95	56	38736	17.347	ug/l #	91
32) 1,1,1-Trichloroethane	7.87	97	34845	20.169	ug/l	96
36) 1,1-Dichloropropene	8.08	75	32343	20.095	ug/l	98
37) Ethyl Acetate	7.25	43	14409	22.345	ug/l	98
38) Carbon Tetrachloride	8.06	117	32165	21.834	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	40654	19.920	ug/l	92
40) Benzene	8.32	78	90316	20.688	ug/l	98
41) Methacrylonitrile	7.48	41	9188	22.556	ug/l	90
42) 1,2-Dichloroethane	8.40	62	25613	20.860	ug/l	97
43) Isopropyl Acetate	8.42	43	27590	21.400	ug/l	97
44) Trichloroethene	9.09	130	24963	22.338	ug/l	90
45) 1,2-Dichloropropane	9.37	63	22595	20.874	ug/l	95
46) Dibromomethane	9.46	93	12387	23.301	ug/l	97
47) Bromodichloromethane	9.65	83	29420	21.795	ug/l #	97
48) Methyl methacrylate	9.44	41	12574	20.669	ug/l	90
49) 1,4-Dioxane	9.45	88	4348	508.587	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	70753	113.372	ug/l	99
52) Toluene	10.39	92	58798	21.090	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	30467	21.699	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	35046	21.049	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	17321	23.207	ug/l	91
56) Ethyl methacrylate	10.65	69	20888	22.598	ug/l	94
57) 1,3-Dichloropropane	10.93	76	29345	21.498	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	53332	111.700	ug/l	98
59) 2-Hexanone	10.97	43	50623	119.951	ug/l	100
60) Dibromochloromethane	11.13	129	20271	24.733	ug/l	98
61) 1,2-Dibromoethane	11.24	107	16363	23.105	ug/l	99
64) Tetrachloroethene	10.87	164	20603	21.529	ug/l	90
65) Chlorobenzene	11.66	112	64817	20.806	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	22709	22.412	ug/l	98
67) Ethyl Benzene	11.73	91	113619	19.933	ug/l	97
68) m/p-Xylenes	11.84	106	90683	41.680	ug/l	97
69) o-Xylene	12.17	106	40851	20.276	ug/l	98
70) Styrene	12.18	104	67113	21.267	ug/l	98
71) Bromoform	12.35	173	11220	24.742	ug/l #	96
73) Isopropylbenzene	12.47	105	112793	18.767	ug/l	99
74) N-amyl acetate	12.27	43	26401	19.836	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	21440	22.287	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	15016m	21.517	ug/l	
77) Bromobenzene	12.75	156	26181	20.616	ug/l	90
78) n-propylbenzene	12.80	91	140440	19.071	ug/l	99
79) 2-Chlorotoluene	12.90	91	79745	19.410	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	98894	20.024	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	6184	20.636	ug/l	94
82) 4-Chlorotoluene	12.99	91	84210	19.461	ug/l	97
83) tert-Butylbenzene	13.21	119	85440	19.555	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	100060	19.644	ug/l	98
85) sec-Butylbenzene	13.39	105	125738	19.645	ug/l	99
86) p-Isopropyltoluene	13.51	119	110448	19.983	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	54387	21.113	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	54476	21.077	ug/l	99
89) n-Butylbenzene	13.83	91	105632	19.514	ug/l	99
90) Hexachloroethane	14.10	117	19608	21.004	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	49033	21.658	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3786	24.455	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	32626	21.706	ug/l	95
94) Hexachlorobutadiene	15.24	225	18219	22.646	ug/l	98
95) Naphthalene	15.38	128	57273	20.407	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	27424	21.403	ug/l	98

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

