

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112218\
 Data File : VW006997.D
 Acq On : 21 Nov 2018 13:12
 Operator : VAY/AP
 Sample : VW1122SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1122SBSD01

Manual Integrations
 APPROVED

apatel
 11/26/2018 12:19:09 PM

Quant Time: Nov 21 16:37:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	113666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	176094	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	163505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	82261	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	56429	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
35) Dibromofluoromethane	7.88	113	51226	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
50) Toluene-d8	10.32	98	223506	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
62) 4-Bromofluorobenzene	12.62	95	86156	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	3030	2.700	ug/l	92
3) Chloromethane	2.21	50	6758	7.226	ug/l	90
4) Vinyl Chloride	2.36	62	9585	10.416	ug/l	94
5) Bromomethane	2.78	94	7273	14.808	ug/l	97
6) Chloroethane	2.92	64	7331	14.452	ug/l	93
7) Trichlorofluoromethane	3.26	101	30225	16.704	ug/l	100
8) Diethyl Ether	3.70	74	11140	19.107	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	22453	19.141	ug/l	98
10) Methyl Iodide	4.28	142	19145	14.257	ug/l	97
11) Tert butyl alcohol	5.23	59	6786	93.674	ug/l #	93
12) 1,1-Dichloroethene	4.04	96	18346	17.832	ug/l	98
13) Acrolein	3.91	56	7681	103.244	ug/l	100
14) Allyl chloride	4.68	41	32129	18.828	ug/l	99
15) Acrylonitrile	5.38	53	21618	98.651	ug/l	99
16) Acetone	4.15	43	16151	99.964	ug/l	94
17) Carbon Disulfide	4.39	76	48046	14.444	ug/l	98
18) Methyl Acetate	4.68	43	10984	19.090	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	54465	20.274	ug/l	100
20) Methylene Chloride	4.92	84	30556	20.551	ug/l	95
21) trans-1,2-Dichloroethene	5.43	96	23575	19.671	ug/l	94
22) Diisopropyl ether	6.32	45	67049	20.187	ug/l	99
23) Vinyl Acetate	6.26	43	180466	102.316	ug/l	99
24) 1,1-Dichloroethane	6.22	63	39243	19.422	ug/l	99
25) 2-Butanone	7.18	43	27949	101.000	ug/l	98
26) 2,2-Dichloropropane	7.17	77	39720	21.860	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	25329	19.846	ug/l	97
28) Bromochloromethane	7.52	49	14546	19.262	ug/l	96
29) Tetrahydrofuran	7.54	42	16890	94.242	ug/l	99
30) Chloroform	7.68	83	43622	20.321	ug/l	98
31) Cyclohexane	7.96	56	42930	20.031	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	41958	21.700	ug/l	99
36) 1,1-Dichloropropene	8.09	75	36375	21.138	ug/l	99
37) Ethyl Acetate	7.26	43	13261	21.266	ug/l	98
38) Carbon Tetrachloride	8.07	117	36213	21.976	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	43302	20.108	ug/l	98
40) Benzene	8.33	78	95406	20.539	ug/l	100
41) Methacrylonitrile	7.49	41	7317	18.895	ug/l	97
42) 1,2-Dichloroethane	8.40	62	27342	20.274	ug/l	99
43) Isopropyl Acetate	8.43	43	24345	20.487	ug/l	99
44) Trichloroethene	9.09	130	27551	21.158	ug/l	99
45) 1,2-Dichloropropane	9.37	63	24534	21.426	ug/l	98
46) Dibromomethane	9.46	93	11728	20.453	ug/l	100
47) Bromodichloromethane	9.65	83	32670	21.625	ug/l	99
48) Methyl methacrylate	9.44	41	11051	19.287	ug/l	98
49) 1,4-Dioxane	9.48	88	3082	361.621	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	61117	101.773	ug/l	100
52) Toluene	10.39	92	64822	20.506	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	30308	20.709	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	36831	20.831	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	17646	20.916	ug/l	96
56) Ethyl methacrylate	10.65	69	19918	20.339	ug/l	97
57) 1,3-Dichloropropane	10.93	76	29704	21.010	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	52875	103.326	ug/l	100
59) 2-Hexanone	10.97	43	41484	100.877	ug/l	100
60) Dibromochloromethane	11.13	129	20181	20.993	ug/l	98
61) 1,2-Dibromoethane	11.24	107	15902	20.605	ug/l	97
64) Tetrachloroethene	10.87	164	22357	21.255	ug/l	98
65) Chlorobenzene	11.66	112	72530	21.254	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	22406	21.704	ug/l	99
67) Ethyl Benzene	11.73	91	133450	21.287	ug/l	97
68) m/p-Xylenes	11.84	106	104265	42.391	ug/l	100
69) o-Xylene	12.17	106	49068	21.157	ug/l	100
70) Styrene	12.18	104	78481	21.262	ug/l	99
71) Bromoform	12.35	173	10053	20.672	ug/l #	98
73) Isopropylbenzene	12.47	105	136787	21.396	ug/l	100
74) N-amyl acetate	12.27	43	22402	20.907	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	17416	20.469	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	13397m	20.726	ug/l	
77) Bromobenzene	12.75	156	29095	21.189	ug/l	96
78) n-propylbenzene	12.81	91	164291	21.215	ug/l	100
79) 2-Chlorotoluene	12.90	91	93496	20.939	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	116513	21.075	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	4994	19.396	ug/l	91
82) 4-Chlorotoluene	12.99	91	99641	21.264	ug/l	99
83) tert-Butylbenzene	13.21	119	101881	21.285	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	116853	21.215	ug/l	99
85) sec-Butylbenzene	13.39	105	145881	21.574	ug/l	99
86) p-Isopropyltoluene	13.51	119	127373	21.351	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	59755	21.316	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	58330	20.869	ug/l	98
89) n-Butylbenzene	13.83	91	120079	21.389	ug/l	100
90) Hexachloroethane	14.10	117	18023	20.694	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	51976	21.160	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2939	20.453	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	33335	20.580	ug/l	99
94) Hexachlorobutadiene	15.24	225	18194	20.662	ug/l	99
95) Naphthalene	15.38	128	58232	19.805	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	27764	20.661	ug/l	100

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

