

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
 Data File : VW007872.D
 Acq On : 23 Dec 2018 05:42
 Operator : SY/AP
 Sample : VW1224SBSD02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1224SBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 3:15:35 PM

Quant Time: Dec 24 04:16:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	72876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	124956	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	111091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	55735	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	42587	53.32	ug/l	0.00
Spiked Amount			Recovery	=	106.64%	
35) Dibromofluoromethane	7.88	113	37948	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
50) Toluene-d8	10.32	98	150272	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	
62) 4-Bromofluorobenzene	12.62	95	57094	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	11545	17.820	ug/l	97
3) Chloromethane	2.21	50	11482	28.862	ug/l	100
4) Vinyl Chloride	2.37	62	13644	26.942	ug/l	91
5) Bromomethane	2.78	94	8521	24.158	ug/l	86
6) Chloroethane	2.93	64	7478	27.602	ug/l	91
7) Trichlorofluoromethane	3.26	101	8585	16.283	ug/l	97
8) Diethyl Ether	3.68	74	7715	23.891	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15297	19.701	ug/l	99
10) Methyl Iodide	4.27	142	25704	20.816	ug/l	95
11) Tert butyl alcohol	5.17	59	6352	117.887	ug/l	97
12) 1,1-Dichloroethene	4.03	96	15144	21.062	ug/l	96
13) Acrolein	3.89	56	3602	83.608	ug/l	97
14) Allyl chloride	4.67	41	22281	23.631	ug/l	92
15) Acrylonitrile	5.37	53	16346	118.663	ug/l	99
16) Acetone	4.12	43	13102	87.595	ug/l	94
17) Carbon Disulfide	4.37	76	42407	19.059	ug/l	96
18) Methyl Acetate	4.68	43	9267	26.051	ug/l	93
19) Methyl tert-butyl Ether	5.43	73	25869	25.061	ug/l	93
20) Methylene Chloride	4.91	84	18219	20.656	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	16487	20.849	ug/l	91
22) Diisopropyl ether	6.31	45	43903	24.867	ug/l	98
23) Vinyl Acetate	6.26	43	118754	113.213	ug/l	98
24) 1,1-Dichloroethane	6.21	63	28793	22.169	ug/l	99
25) 2-Butanone	7.17	43	19677	112.315	ug/l	92
26) 2,2-Dichloropropane	7.17	77	17932	18.867	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	18652	22.139	ug/l	98
28) Bromochloromethane	7.51	49	10187	23.004	ug/l	88
29) Tetrahydrofuran	7.53	42	13367	127.912	ug/l	92
30) Chloroform	7.67	83	31002	21.092	ug/l	99
31) Cyclohexane	7.95	56	26404	22.206	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	26707	19.950	ug/l	98
36) 1,1-Dichloropropene	8.08	75	23931	19.842	ug/l	99
37) Ethyl Acetate	7.25	43	9433	22.663	ug/l	99
38) Carbon Tetrachloride	8.07	117	24705	17.394	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	30082	20.073	ug/l	97
40) Benzene	8.32	78	66525	20.671	ug/l	100
41) Methacrylonitrile	7.48	41	6066	25.669	ug/l	91
42) 1,2-Dichloroethane	8.40	62	21201	19.657	ug/l	99
43) Isopropyl Acetate	8.43	43	18663	22.381	ug/l	98
44) Trichloroethene	9.09	130	18635	19.147	ug/l	98
45) 1,2-Dichloropropane	9.37	63	15951	22.337	ug/l	94
46) Dibromomethane	9.46	93	8627	19.625	ug/l	98
47) Bromodichloromethane	9.65	83	21503	18.607	ug/l	97
48) Methyl methacrylate	9.44	41	10516m	25.264	ug/l	
49) 1,4-Dioxane	9.44	88	3075	441.209	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	45256	114.836	ug/l	97
52) Toluene	10.39	92	44833	20.763	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	22352	19.445	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	24943	19.645	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	12746	21.033	ug/l	98
56) Ethyl methacrylate	10.65	69	15541	21.705	ug/l	96
57) 1,3-Dichloropropane	10.93	76	20949	20.818	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	36028	110.208	ug/l	99
59) 2-Hexanone	10.97	43	29884	107.825	ug/l	100
60) Dibromochloromethane	11.13	129	14031	17.486	ug/l	98
61) 1,2-Dibromoethane	11.24	107	12339	20.106	ug/l	99
64) Tetrachloroethene	10.87	164	17085	21.718	ug/l	98
65) Chlorobenzene	11.66	112	48900	20.337	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	16280	18.949	ug/l	97
67) Ethyl Benzene	11.73	91	86976	21.080	ug/l	97
68) m/p-Xylenes	11.84	106	67233	42.006	ug/l	98
69) o-Xylene	12.17	106	31877	21.247	ug/l	99
70) Styrene	12.18	104	51916	21.051	ug/l	99
71) Bromoform	12.35	173	7142	16.013	ug/l #	99
73) Isopropylbenzene	12.47	105	89635	21.276	ug/l	99
74) N-amyl acetate	12.27	43	17061	23.379	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	13385	21.190	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	10787m	25.041	ug/l	
77) Bromobenzene	12.75	156	19108	19.791	ug/l	91
78) n-propylbenzene	12.81	91	102455	20.892	ug/l	100
79) 2-Chlorotoluene	12.90	91	60834	21.294	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	76209	20.971	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	3795	18.492	ug/l	96
82) 4-Chlorotoluene	12.99	91	64734	21.281	ug/l	99
83) tert-Butylbenzene	13.21	119	66644	20.901	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	78373	21.373	ug/l	99
85) sec-Butylbenzene	13.39	105	92649	21.084	ug/l	99
86) p-Isopropyltoluene	13.50	119	83755	20.960	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	39847	20.786	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	39394	20.544	ug/l	99
89) n-Butylbenzene	13.83	91	76703	20.936	ug/l	98
90) Hexachloroethane	14.10	117	11982	17.080	ug/l	95
91) 1,2-Dichlorobenzene	13.88	146	35577	20.728	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2456	18.933	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	24483	20.550	ug/l	100
94) Hexachlorobutadiene	15.24	225	12547	19.706	ug/l	99
95) Naphthalene	15.37	128	48343	21.947	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	20971	20.563	ug/l	99

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

