

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW121618\
 Data File : VW007500.D
 Acq On : 13 Dec 2018 22:31
 Operator : SY/AP
 Sample : VW1216SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 12:18:26 PM

Quant Time: Dec 14 04:40:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	86656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	144482	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	130470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	66254	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	46040	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
35) Dibromofluoromethane	7.88	113	43680	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	10.32	98	164165	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.62	95	64744	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	12657	20.901	ug/l	99
3) Chloromethane	2.21	50	10344	20.396	ug/l	99
4) Vinyl Chloride	2.37	62	12676	21.298	ug/l	99
5) Bromomethane	2.78	94	8466	21.171	ug/l	98
6) Chloroethane	2.93	64	6969	21.272	ug/l	95
7) Trichlorofluoromethane	3.26	101	9755	18.231	ug/l	92
8) Diethyl Ether	3.68	74	8556	20.430	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	17625	19.963	ug/l	98
10) Methyl Iodide	4.26	142	30117	20.596	ug/l	99
11) Tert butyl alcohol	5.18	59	7031	106.488	ug/l	98
12) 1,1-Dichloroethene	4.03	96	16880	19.857	ug/l	94
13) Acrolein	3.89	56	4294	98.285	ug/l	97
14) Allyl chloride	4.66	41	25099	20.031	ug/l	97
15) Acrylonitrile	5.36	53	17669	100.081	ug/l	98
16) Acetone	4.12	43	16461	98.026	ug/l	96
17) Carbon Disulfide	4.37	76	50657	19.654	ug/l	97
18) Methyl Acetate	4.67	43	10926	23.973	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	27005	21.058	ug/l	99
20) Methylene Chloride	4.90	84	19701	19.027	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	18934	19.911	ug/l	95
22) Diisopropyl ether	6.31	45	49280	20.461	ug/l	95
23) Vinyl Acetate	6.25	43	133043	98.759	ug/l	100
24) 1,1-Dichloroethane	6.21	63	32212	19.789	ug/l	98
25) 2-Butanone	7.17	43	21592	98.492	ug/l	98
26) 2,2-Dichloropropane	7.16	77	20928	19.426	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	21232	20.391	ug/l	99
28) Bromochloromethane	7.51	49	11743	19.179	ug/l	99
29) Tetrahydrofuran	7.52	42	14377	103.592	ug/l	98
30) Chloroform	7.68	83	34895	19.699	ug/l	99
31) Cyclohexane	7.95	56	28877	19.335	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	30000	19.312	ug/l	100
36) 1,1-Dichloropropene	8.08	75	26694	20.253	ug/l	99
37) Ethyl Acetate	7.26	43	10393	21.201	ug/l	97
38) Carbon Tetrachloride	8.07	117	28522	19.888	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.33	83	32418	20.312	ug/l	92
40) Benzene	8.32	78	74882	20.472	ug/l	100
41) Methacrylonitrile	7.48	41	6786	24.309	ug/l #	90
42) 1,2-Dichloroethane	8.40	62	23496	20.449	ug/l	99
43) Isopropyl Acetate	8.42	43	20006	20.660	ug/l	98
44) Trichloroethene	9.09	130	21606	20.686	ug/l	92
45) 1,2-Dichloropropane	9.37	63	17535	20.716	ug/l	95
46) Dibromomethane	9.46	93	9731	20.244	ug/l	99
47) Bromodichloromethane	9.64	83	25533	20.251	ug/l	96
48) Methyl methacrylate	9.43	41	9930	19.967	ug/l	100
49) 1,4-Dioxane	9.45	88	3370	432.086	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	48573	106.162	ug/l	98
52) Toluene	10.39	92	49624	20.964	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	25870	21.135	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	29040	20.523	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	13986	21.379	ug/l	90
56) Ethyl methacrylate	10.65	69	17702	22.512	ug/l	97
57) 1,3-Dichloropropane	10.93	76	24025	22.374	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	37951	104.659	ug/l	100
59) 2-Hexanone	10.97	43	32695	107.167	ug/l	98
60) Dibromochloromethane	11.13	129	17501	21.198	ug/l	100
61) 1,2-Dibromoethane	11.24	107	14176	21.927	ug/l	93
64) Tetrachloroethene	10.86	164	18421	19.633	ug/l	92
65) Chlorobenzene	11.66	112	55804	20.521	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	19667	20.534	ug/l	98
67) Ethyl Benzene	11.73	91	98171	20.997	ug/l	90
68) m/p-Xylenes	11.84	106	75577	41.581	ug/l	99
69) o-Xylene	12.17	106	35514	20.921	ug/l	94
70) Styrene	12.18	104	59428	21.674	ug/l	98
71) Bromoform	12.35	173	9764	19.917	ug/l #	100
73) Isopropylbenzene	12.47	105	101083	19.911	ug/l	99
74) N-amyl acetate	12.27	43	18749	20.321	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	15963	21.230	ug/l	94
76) 1,2,3-Trichloropropane	12.77	75	11922m	21.824	ug/l	
77) Bromobenzene	12.75	156	22259	19.781	ug/l	92
78) n-propylbenzene	12.80	91	118662	20.769	ug/l	99
79) 2-Chlorotoluene	12.90	91	68901	19.931	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	87112	20.422	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	4742	19.175	ug/l	98
82) 4-Chlorotoluene	12.99	91	73040	20.044	ug/l	97
83) tert-Butylbenzene	13.21	119	76342	20.311	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	89011	20.278	ug/l	98
85) sec-Butylbenzene	13.39	105	104295	20.327	ug/l	95
86) p-Isopropyltoluene	13.50	119	93419	20.267	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	45156	20.127	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	45612	20.222	ug/l	96
89) n-Butylbenzene	13.83	91	86803	20.313	ug/l	98
90) Hexachloroethane	14.10	117	16276	19.845	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	40512	20.160	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2854	18.914	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	27277	19.724	ug/l	95
94) Hexachlorobutadiene	15.24	225	14542	19.818	ug/l	96
95) Naphthalene	15.37	128	53606	20.263	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	24060	20.028	ug/l	97

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

