

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082118\
 Data File : VW004836.D
 Acq On : 21 Aug 2018 13:02
 Operator : SY/AP
 Sample : VW0821SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBSD01

Manual Integrations
 APPROVED

apatel
 8/22/2018 11:25:20 AM

Quant Time: Aug 22 05:35:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	632719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	928057	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	869114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	463373	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	287503	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
35) Dibromofluoromethane	7.88	113	297995	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
50) Toluene-d8	10.33	98	1217770	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.62	95	429145	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	83671	19.96	ug/l	99
3) Chloromethane	2.22	50	103047	18.81	ug/l	97
4) Vinyl Chloride	2.37	62	174307	21.61	ug/l	98
5) Bromomethane	2.79	94	107033	21.49	ug/l	97
6) Chloroethane	2.93	64	104071	21.38	ug/l	100
7) Trichlorofluoromethane	3.26	101	92888	24.45	ug/l	98
8) Diethyl Ether	3.68	74	67208	19.56	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	141917	21.69	ug/l	99
10) Methyl Iodide	4.27	142	204061	20.54	ug/l	99
11) Tert butyl alcohol	5.22	59	28943	84.69	ug/l #	93
12) 1,1-Dichloroethene	4.03	96	133671	20.50	ug/l	99
13) Acrolein	3.90	56	42865	93.47	ug/l	100
14) Allyl chloride	4.67	41	196771	19.89	ug/l	100
15) Acrylonitrile	5.38	53	130056	90.27	ug/l	99
16) Acetone	4.14	43	148573	95.14	ug/l	100
17) Carbon Disulfide	4.38	76	443700	20.71	ug/l	99
18) Methyl Acetate	4.68	43	60771	18.16	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	160456	18.96	ug/l	95
20) Methylene Chloride	4.92	84	160357	19.89	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	141847	20.45	ug/l	98
22) Diisopropyl ether	6.32	45	395477	20.79	ug/l	99
23) Vinyl Acetate	6.26	43	1005297	93.45	ug/l	100
24) 1,1-Dichloroethane	6.22	63	250491	20.27	ug/l	100
25) 2-Butanone	7.18	43	197652	88.84	ug/l	99
26) 2,2-Dichloropropane	7.17	77	151884	21.28	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	150433	20.14	ug/l	100
28) Bromochloromethane	7.51	49	99348	19.09	ug/l	100
29) Tetrahydrofuran	7.54	42	98783	87.07	ug/l	100
30) Chloroform	7.68	83	244479	20.11	ug/l	96
31) Cyclohexane	7.96	56	243498	20.37	ug/l	95
32) 1,1,1-Trichloroethane	7.88	97	202257	20.99	ug/l	98
36) 1,1-Dichloropropene	8.09	75	202650	21.20	ug/l	99
37) Ethyl Acetate	7.26	43	72698	19.08	ug/l	99
38) Carbon Tetrachloride	8.07	117	189380	21.52	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	253459	21.20	ug/l	99
40) Benzene	8.33	78	578078	20.81	ug/l	100
41) Methacrylonitrile	7.49	41	36442	16.85	ug/l	89
42) 1,2-Dichloroethane	8.40	62	143731	20.17	ug/l	100
43) Isopropyl Acetate	8.43	43	124589	18.20	ug/l	98
44) Trichloroethene	9.10	130	147184	20.87	ug/l	97
45) 1,2-Dichloropropane	9.37	63	137636	20.25	ug/l	98
46) Dibromomethane	9.46	93	66210	19.66	ug/l	99
47) Bromodichloromethane	9.65	83	161333	20.06	ug/l	99
48) Methyl methacrylate	9.44	41	58232	18.13	ug/l	99
49) 1,4-Dioxane	9.48	88	19517	396.75	ug/l #	83
51) 4-Methyl-2-Pentanone	10.21	43	425414	91.95	ug/l	98
52) Toluene	10.39	92	358709	21.53	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	159738	19.72	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	194352	20.12	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	96470	20.16	ug/l	99
56) Ethyl methacrylate	10.65	69	105015	18.77	ug/l	100
57) 1,3-Dichloropropane	10.94	76	165405	20.02	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	254290	96.20	ug/l	100
59) 2-Hexanone	10.98	43	297469	94.89	ug/l	99
60) Dibromochloromethane	11.13	129	106746	19.88	ug/l	100
61) 1,2-Dibromoethane	11.24	107	89119	19.48	ug/l	99
64) Tetrachloroethene	10.87	164	126437	21.29	ug/l	97
65) Chlorobenzene	11.66	112	390273	20.86	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	127043	20.11	ug/l	99
67) Ethyl Benzene	11.74	91	665375	20.98	ug/l	99
68) m/p-Xylenes	11.85	106	532798	43.18	ug/l	100
69) o-Xylene	12.17	106	242738	21.25	ug/l	97
70) Styrene	12.19	104	404965	21.11	ug/l	99
71) Bromoform	12.35	173	64120	19.23	ug/l #	100
73) Isopropylbenzene	12.47	105	672141	21.32	ug/l	100
74) N-amyl acetate	12.28	43	122221	19.24	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	112787	19.31	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	73586m	18.01	ug/l	
77) Bromobenzene	12.75	156	155651	20.40	ug/l	99
78) n-propylbenzene	12.81	91	839299	21.82	ug/l	100
79) 2-Chlorotoluene	12.90	91	466926	21.06	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	580924	21.69	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	31570	17.96	ug/l	96
82) 4-Chlorotoluene	12.99	91	505435	21.45	ug/l	99
83) tert-Butylbenzene	13.21	119	490393	21.41	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	597070	21.67	ug/l	100
85) sec-Butylbenzene	13.39	105	744164	21.76	ug/l	100
86) p-Isopropyltoluene	13.51	119	651942	21.91	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	325714	20.99	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	322840	20.81	ug/l	99
89) n-Butylbenzene	13.83	91	615184	21.38	ug/l	100
90) Hexachloroethane	14.10	117	113292	20.89	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	290917	20.87	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16951	18.57	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	201212	20.41	ug/l	98
94) Hexachlorobutadiene	15.24	225	131342	21.70	ug/l	99
95) Naphthalene	15.38	128	316087	18.89	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	178552	20.42	ug/l	99

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

