

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\
 Data File : VW004744.D
 Acq On : 17 Aug 2018 20:38
 Operator : SY/AP
 Sample : VW0819SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Manual Integrations
 APPROVED

apatel
 8/20/2018 9:54:18 AM

Quant Time: Aug 18 02:51:27 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	644535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	993457	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	941449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	508605	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	333386	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
35) Dibromofluoromethane	7.88	113	328785	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
50) Toluene-d8	10.33	98	1294010	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
62) 4-Bromofluorobenzene	12.62	95	473954	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	91918	21.53	ug/l	98
3) Chloromethane	2.22	50	116320	20.84	ug/l	99
4) Vinyl Chloride	2.37	62	174614	21.25	ug/l	97
5) Bromomethane	2.78	94	110285	21.73	ug/l	96
6) Chloroethane	2.92	64	104076	20.99	ug/l	99
7) Trichlorofluoromethane	3.25	101	71172	18.39	ug/l	100
8) Diethyl Ether	3.68	74	79588	22.74	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	140012	21.01	ug/l	98
10) Methyl Iodide	4.27	142	215516	21.29	ug/l	99
11) Tert butyl alcohol	5.21	59	38104	109.45	ug/l	96
12) 1,1-Dichloroethene	4.03	96	137792	20.75	ug/l	98
13) Acrolein	3.90	56	51674	110.61	ug/l	98
14) Allyl chloride	4.66	41	209101	20.74	ug/l	99
15) Acrylonitrile	5.38	53	167320	114.00	ug/l	99
16) Acetone	4.14	43	161745	101.68	ug/l	100
17) Carbon Disulfide	4.38	76	455497	20.87	ug/l	98
18) Methyl Acetate	4.67	43	76821	22.54	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	194131	22.52	ug/l	96
20) Methylene Chloride	4.92	84	184897	23.14	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	149970	21.22	ug/l	99
22) Diisopropyl ether	6.31	45	441238	22.77	ug/l	97
23) Vinyl Acetate	6.26	43	1236420	112.83	ug/l	100
24) 1,1-Dichloroethane	6.21	63	271663	21.58	ug/l	100
25) 2-Butanone	7.18	43	252893	111.58	ug/l	97
26) 2,2-Dichloropropane	7.17	77	147521	20.29	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	164003	21.56	ug/l	97
28) Bromochloromethane	7.51	49	115852	21.85	ug/l	96
29) Tetrahydrofuran	7.54	42	131428	113.72	ug/l	98
30) Chloroform	7.68	83	272347	21.99	ug/l	99
31) Cyclohexane	7.95	56	249960	20.53	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	204246	20.81	ug/l	99
36) 1,1-Dichloropropene	8.09	75	209591	20.48	ug/l	100
37) Ethyl Acetate	7.26	43	92662	22.71	ug/l	98
38) Carbon Tetrachloride	8.07	117	190801	20.25	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	255155	19.94	ug/l	99
40) Benzene	8.32	78	632098	21.25	ug/l	99
41) Methacrylonitrile	7.49	41	56004	24.19	ug/l	97
42) 1,2-Dichloroethane	8.40	62	167130	21.91	ug/l	100
43) Isopropyl Acetate	8.43	43	161784	22.08	ug/l	99
44) Trichloroethene	9.09	130	155520	20.60	ug/l	99
45) 1,2-Dichloropropane	9.37	63	156241	21.48	ug/l	100
46) Dibromomethane	9.46	93	78001	21.64	ug/l	100
47) Bromodichloromethane	9.65	83	183778	21.35	ug/l	99
48) Methyl methacrylate	9.44	41	74484	21.66	ug/l	96
49) 1,4-Dioxane	9.47	88	23286	442.20	ug/l #	82
51) 4-Methyl-2-Pentanone	10.21	43	567065	114.50	ug/l	99
52) Toluene	10.39	92	383059	21.47	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	184599	21.29	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	218791	21.16	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	113049	22.07	ug/l	99
56) Ethyl methacrylate	10.65	69	132006	21.53	ug/l	99
57) 1,3-Dichloropropane	10.93	76	196498	22.22	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	319001	112.74	ug/l	99
59) 2-Hexanone	10.98	43	379557	113.11	ug/l	99
60) Dibromochloromethane	11.13	129	124370	21.64	ug/l	98
61) 1,2-Dibromoethane	11.24	107	106645	21.78	ug/l	99
64) Tetrachloroethene	10.87	164	136542	21.22	ug/l	99
65) Chlorobenzene	11.66	112	423941	20.92	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	142954	20.89	ug/l	99
67) Ethyl Benzene	11.74	91	709552	20.66	ug/l	98
68) m/p-Xylenes	11.84	106	567251	42.44	ug/l	99
69) o-Xylene	12.17	106	258275	20.88	ug/l	100
70) Styrene	12.18	104	443419	21.34	ug/l	99
71) Bromoform	12.35	173	77948	21.58	ug/l #	100
73) Isopropylbenzene	12.47	105	709811	20.51	ug/l	100
74) N-amyl acetate	12.28	43	158315	21.98	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	138455	21.60	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	107093m	23.89	ug/l	
77) Bromobenzene	12.75	156	176847	21.12	ug/l	100
78) n-propylbenzene	12.81	91	879122	20.82	ug/l	100
79) 2-Chlorotoluene	12.90	91	506070	20.79	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	618989	21.06	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	39027	20.23	ug/l	93
82) 4-Chlorotoluene	12.99	91	542082	20.96	ug/l	100
83) tert-Butylbenzene	13.21	119	509256	20.25	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	640413	21.18	ug/l	100
85) sec-Butylbenzene	13.39	105	760532	20.26	ug/l	100
86) p-Isopropyltoluene	13.51	119	677653	20.75	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	356779	20.94	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	355805	20.89	ug/l	98
89) n-Butylbenzene	13.83	91	635440	20.12	ug/l	99
90) Hexachloroethane	14.10	117	118259	19.86	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	326314	21.33	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22396	22.36	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	231268	21.37	ug/l	100
94) Hexachlorobutadiene	15.24	225	133567	20.11	ug/l	99
95) Naphthalene	15.38	128	404416	21.44	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	208689	21.75	ug/l	99

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

