

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091718\
 Data File : VW005426.D
 Acq On : 17 Sep 2018 12:06
 Operator : SY/AP
 Sample : VW0917SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0917SBS01

Manual Integrations
 APPROVED

apatel
 9/18/2018 12:51:57 PM

Quant Time: Sep 18 01:19:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	302597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	442322	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	421671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	224229	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.32	65	134818	42.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.84%	
35) Dibromofluoromethane	7.90	113	113009	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	
50) Toluene-d8	10.33	98	546104	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
62) 4-Bromofluorobenzene	12.62	95	200295	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	64110	22.58	ug/l	97
3) Chloromethane	2.22	50	73792	20.66	ug/l	99
4) Vinyl Chloride	2.37	62	68596	20.50	ug/l	99
5) Bromomethane	2.78	94	43130	17.54	ug/l	97
6) Chloroethane	2.92	64	37613	18.97	ug/l	97
7) Trichlorofluoromethane	3.27	101	86275	19.46	ug/l	95
8) Diethyl Ether	3.70	74	25134	19.08	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	52912	20.47	ug/l	99
10) Methyl Iodide	4.28	142	57428	20.10	ug/l	96
11) Tert butyl alcohol	5.22	59	18158	82.97	ug/l #	94
12) 1,1-Dichloroethene	4.05	96	46865	20.02	ug/l	99
13) Acrolein	3.92	56	16104	116.69	ug/l	97
14) Allyl chloride	4.68	41	87224	20.02	ug/l	97
15) Acrylonitrile	5.39	53	54866	91.05	ug/l	100
16) Acetone	4.15	43	41966	80.71	ug/l	99
17) Carbon Disulfide	4.39	76	158913	19.27	ug/l	97
18) Methyl Acetate	4.70	43	25218	16.71	ug/l	96
19) Methyl tert-butyl Ether	5.44	73	119576	18.81	ug/l	96
20) Methylene Chloride	4.93	84	67110	17.84	ug/l	99
21) trans-1,2-Dichloroethene	5.44	96	53653	19.19	ug/l	97
22) Diisopropyl ether	6.32	45	169803	19.83	ug/l	97
23) Vinyl Acetate	6.27	43	482148	98.81	ug/l	99
24) 1,1-Dichloroethane	6.23	63	98854	19.02	ug/l	98
25) 2-Butanone	7.19	43	70375	93.14	ug/l	98
26) 2,2-Dichloropropane	7.18	77	96594	20.72	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	58284	19.16	ug/l	98
28) Bromochloromethane	7.52	49	37309	18.46	ug/l #	99
29) Tetrahydrofuran	7.54	42	45378	94.27	ug/l	99
30) Chloroform	7.68	83	99271	18.45	ug/l	97
31) Cyclohexane	7.96	56	106424	21.23	ug/l	98
32) 1,1,1-Trichloroethane	7.88	97	96939	19.37	ug/l	100
36) 1,1-Dichloropropene	8.09	75	83977	20.06	ug/l	98
37) Ethyl Acetate	7.26	43	33055	19.42	ug/l	98
38) Carbon Tetrachloride	8.08	117	86014	19.72	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	104742	21.53	ug/l	99
40) Benzene	8.34	78	236941	19.54	ug/l	98
41) Methacrylonitrile	7.49	41	21383	20.82	ug/l	96
42) 1,2-Dichloroethane	8.41	62	69759	18.38	ug/l	99
43) Isopropyl Acetate	8.43	43	61793	18.60	ug/l	98
44) Trichloroethene	9.10	130	62409	20.00	ug/l	99
45) 1,2-Dichloropropane	9.38	63	57584	19.88	ug/l	96
46) Dibromomethane	9.46	93	27160	19.06	ug/l	100
47) Bromodichloromethane	9.65	83	75130	19.46	ug/l	99
48) Methyl methacrylate	9.45	41	29900	18.03	ug/l	97
49) 1,4-Dioxane	9.48	88	8918	375.43	ug/l #	100
51) 4-Methyl-2-Pentanone	10.22	43	158739	92.82	ug/l	100
52) Toluene	10.40	92	166912	20.33	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	75616	19.57	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	88964	20.33	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	38897	18.36	ug/l	97
56) Ethyl methacrylate	10.65	69	51351	19.15	ug/l	96
57) 1,3-Dichloropropane	10.94	76	69274	18.95	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	118853	98.01	ug/l	100
59) 2-Hexanone	10.98	43	115928	99.51	ug/l	100
60) Dibromochloromethane	11.13	129	46573	18.27	ug/l	98
61) 1,2-Dibromoethane	11.24	107	35648	18.77	ug/l	99
64) Tetrachloroethene	10.87	164	61528	19.74	ug/l	98
65) Chlorobenzene	11.66	112	176707	19.75	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	55637	19.45	ug/l	100
67) Ethyl Benzene	11.74	91	323326	20.54	ug/l	100
68) m/p-Xylenes	11.85	106	251184	41.47	ug/l	99
69) o-Xylene	12.17	106	116150	20.59	ug/l	97
70) Styrene	12.19	104	191167	20.54	ug/l	100
71) Bromoform	12.35	173	27443	18.14	ug/l #	99
73) Isopropylbenzene	12.47	105	323681	20.58	ug/l	100
74) N-amyl acetate	12.28	43	62256	18.78	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	43651	19.02	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	31001m	16.81	ug/l	
77) Bromobenzene	12.76	156	71571	19.24	ug/l	98
78) n-propylbenzene	12.81	91	401086	21.13	ug/l	100
79) 2-Chlorotoluene	12.90	91	229082	20.45	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	280198	20.41	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	13438	18.90	ug/l	97
82) 4-Chlorotoluene	12.99	91	238923	20.21	ug/l	100
83) tert-Butylbenzene	13.21	119	238154	20.89	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	285776	20.51	ug/l	100
85) sec-Butylbenzene	13.39	105	344667	20.92	ug/l	99
86) p-Isopropyltoluene	13.51	119	305686	20.75	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	149263	19.79	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	145996	19.66	ug/l	96
89) n-Butylbenzene	13.83	91	292073	21.29	ug/l	100
90) Hexachloroethane	14.10	117	48514	19.22	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	128781	19.54	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7463	16.93	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	90898	20.67	ug/l	99
94) Hexachlorobutadiene	15.25	225	60459	21.05	ug/l	100
95) Naphthalene	15.38	128	139763	19.07	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	76441	19.91	ug/l	100

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

