

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091818\
 Data File : VW005477.D
 Acq On : 18 Sep 2018 14:33
 Operator : SY/AP
 Sample : VW0918SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS01

Manual Integrations
 APPROVED

apatel
 9/19/2018 11:25:45 AM

Quant Time: Sep 18 17:00:58 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	339255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	505675	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	482961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	249152	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	157193	44.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.28%	
35) Dibromofluoromethane	7.89	113	131031	46.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.44%	
50) Toluene-d8	10.33	98	646253	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.62	95	238240	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	70235	21.96	ug/l	98
3) Chloromethane	2.21	50	92022	22.98	ug/l	99
4) Vinyl Chloride	2.36	62	82996	22.12	ug/l	97
5) Bromomethane	2.77	94	46009	16.39	ug/l	96
6) Chloroethane	2.92	64	44838	20.17	ug/l	100
7) Trichlorofluoromethane	3.26	101	98942	19.91	ug/l	99
8) Diethyl Ether	3.70	74	32311	21.88	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.07	101	62815	21.67	ug/l	95
10) Methyl Iodide	4.28	142	62324	19.59	ug/l	95
11) Tert butyl alcohol	5.20	59	23847	100.82	ug/l #	71
12) 1,1-Dichloroethene	4.04	96	56616	21.57	ug/l	96
13) Acrolein	3.90	56	20324	132.09	ug/l	97
14) Allyl chloride	4.68	41	115384	23.62	ug/l	93
15) Acrylonitrile	5.38	53	74636	110.48	ug/l	99
16) Acetone	4.14	43	63942	116.66	ug/l	100
17) Carbon Disulfide	4.39	76	197380	21.35	ug/l	99
18) Methyl Acetate	4.68	43	35628	21.05	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	148163	20.79	ug/l	98
20) Methylene Chloride	4.92	84	86796	21.58	ug/l	92
21) trans-1,2-Dichloroethene	5.43	96	65014	20.74	ug/l	98
22) Diisopropyl ether	6.32	45	227954	23.74	ug/l	95
23) Vinyl Acetate	6.27	43	643904	117.70	ug/l	98
24) 1,1-Dichloroethane	6.23	63	124643	21.39	ug/l	99
25) 2-Butanone	7.18	43	101508	119.83	ug/l	94
26) 2,2-Dichloropropane	7.18	77	112316	21.49	ug/l	100
27) cis-1,2-Dichloroethene	7.18	96	69708	20.44	ug/l	95
28) Bromochloromethane	7.52	49	50391	22.24	ug/l #	12
29) Tetrahydrofuran	7.54	42	63141	117.00	ug/l	93
30) Chloroform	7.68	83	118810	19.69	ug/l	100
31) Cyclohexane	7.96	56	133359	23.73	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	110024	19.61	ug/l	98
36) 1,1-Dichloropropene	8.09	75	103458	21.62	ug/l	99
37) Ethyl Acetate	7.26	43	45833	23.55	ug/l	98
38) Carbon Tetrachloride	8.07	117	95779	19.21	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	123777	22.26	ug/l	97
40) Benzene	8.33	78	289504	20.88	ug/l	100
41) Methacrylonitrile	7.49	41	27554	23.47	ug/l	94
42) 1,2-Dichloroethane	8.41	62	81665	18.82	ug/l	96
43) Isopropyl Acetate	8.43	43	82874	21.82	ug/l	99
44) Trichloroethene	9.10	130	71405	20.01	ug/l	98
45) 1,2-Dichloropropane	9.38	63	73700	22.25	ug/l	98
46) Dibromomethane	9.46	93	32552	19.98	ug/l	96
47) Bromodichloromethane	9.65	83	88039	19.94	ug/l	98
48) Methyl methacrylate	9.44	41	40917	21.59	ug/l	96
49) 1,4-Dioxane	9.46	88	11169	411.29	ug/l #	98
51) 4-Methyl-2-Pentanone	10.22	43	221471	113.27	ug/l	99
52) Toluene	10.40	92	199179	21.22	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	89621	20.29	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	107592	21.51	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	48919	20.20	ug/l	94
56) Ethyl methacrylate	10.65	69	63675	20.77	ug/l	97
57) 1,3-Dichloropropane	10.94	76	87656	20.97	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	156830	113.13	ug/l	96
59) 2-Hexanone	10.98	43	162610	122.10	ug/l	99
60) Dibromochloromethane	11.13	129	54927	18.85	ug/l	100
61) 1,2-Dibromoethane	11.24	107	43808	20.17	ug/l	99
64) Tetrachloroethene	10.87	164	69059	19.35	ug/l	95
65) Chlorobenzene	11.66	112	212284	20.71	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	62516	19.08	ug/l	97
67) Ethyl Benzene	11.74	91	384926	21.35	ug/l	100
68) m/p-Xylenes	11.85	106	293907	42.37	ug/l	100
69) o-Xylene	12.17	106	135880	21.03	ug/l	99
70) Styrene	12.19	104	225373	21.14	ug/l	100
71) Bromoform	12.35	173	31545	18.20	ug/l #	100
73) Isopropylbenzene	12.47	105	377517	21.60	ug/l	100
74) N-amyl acetate	12.28	43	83900	22.78	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	55114	21.61	ug/l	98
76) 1,2,3-Trichloropropane	12.76	75	36847m	17.98	ug/l	
77) Bromobenzene	12.75	156	83765	20.27	ug/l	95
78) n-propylbenzene	12.81	91	470764	22.32	ug/l	99
79) 2-Chlorotoluene	12.90	91	269821	21.68	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	323018	21.18	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	16618	21.04	ug/l	99
82) 4-Chlorotoluene	12.99	91	279801	21.30	ug/l	100
83) tert-Butylbenzene	13.21	119	269631	21.28	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	323577	20.90	ug/l	99
85) sec-Butylbenzene	13.39	105	398510	21.77	ug/l	99
86) p-Isopropyltoluene	13.51	119	350376	21.40	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	174702	20.84	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	171796	20.81	ug/l	99
89) n-Butylbenzene	13.83	91	339405	22.27	ug/l	99
90) Hexachloroethane	14.10	117	55260	19.70	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	149845	20.46	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9364	19.12	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	100454	20.55	ug/l	98
94) Hexachlorobutadiene	15.25	225	65952	20.67	ug/l	100
95) Naphthalene	15.38	128	160345	19.69	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	87540	20.52	ug/l	98

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

