

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092618\
 Data File : VW005658.D
 Acq On : 26 Sep 2018 17:41
 Operator : VA/AP
 Sample : VW0926SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0926SBS01

Manual Integrations
 APPROVED

apatel
 9/27/2018 10:33:43 AM

Quant Time: Sep 27 06:53:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	215673	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	322360	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	300795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	164446	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	127687	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
35) Dibromofluoromethane	7.88	113	103532	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
50) Toluene-d8	10.33	98	415546	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.62	95	160513	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	29468	20.815	ug/l	94
3) Chloromethane	2.21	50	28087	16.200	ug/l	98
4) Vinyl Chloride	2.37	62	43440	20.962	ug/l	96
5) Bromomethane	2.78	94	27202	19.423	ug/l	96
6) Chloroethane	2.92	64	25401	19.102	ug/l	91
7) Trichlorofluoromethane	3.26	101	28237	17.421	ug/l	90
8) Diethyl Ether	3.68	74	22112	20.885	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41687	20.318	ug/l	98
10) Methyl Iodide	4.26	142	62526	19.816	ug/l	99
11) Tert butyl alcohol	5.21	59	15948	120.338	ug/l #	94
12) 1,1-Dichloroethene	4.03	96	40484	20.610	ug/l	94
13) Acrolein	3.89	56	9416	95.145	ug/l	94
14) Allyl chloride	4.67	41	65856	19.211	ug/l	97
15) Acrylonitrile	5.37	53	48647	103.485	ug/l	98
16) Acetone	4.13	43	56350	136.803	ug/l	97
17) Carbon Disulfide	4.37	76	118887	19.372	ug/l	99
18) Methyl Acetate	4.68	43	22447	18.640	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	62588	20.644	ug/l	95
20) Methylene Chloride	4.92	84	51923	21.989	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	43033	20.002	ug/l	97
22) Diisopropyl ether	6.32	45	131281	19.728	ug/l	98
23) Vinyl Acetate	6.26	43	395458	103.970	ug/l	100
24) 1,1-Dichloroethane	6.21	63	81580	19.842	ug/l	100
25) 2-Butanone	7.18	43	69546	112.699	ug/l	100
26) 2,2-Dichloropropane	7.17	77	58135	20.254	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	47763	20.128	ug/l	98
28) Bromochloromethane	7.51	49	31509	19.347	ug/l	97
29) Tetrahydrofuran	7.54	42	40934	106.178	ug/l	99
30) Chloroform	7.68	83	87397	20.590	ug/l	96
31) Cyclohexane	7.96	56	75637	19.202	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	75153	20.042	ug/l	98
36) 1,1-Dichloropropene	8.09	75	68443	21.091	ug/l	100
37) Ethyl Acetate	7.26	43	29379	21.514	ug/l	98
38) Carbon Tetrachloride	8.07	117	73192	21.048	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	79781	20.838	ug/l	99
40) Benzene	8.33	78	187388	20.381	ug/l	98
41) Methacrylonitrile	7.49	41	16932	21.789	ug/l	97
42) 1,2-Dichloroethane	8.40	62	61609	20.929	ug/l	99
43) Isopropyl Acetate	8.43	43	57382	21.372	ug/l	98
44) Trichloroethene	9.09	130	49196	20.904	ug/l	94
45) 1,2-Dichloropropane	9.37	63	44773	19.793	ug/l	96
46) Dibromomethane	9.46	93	23552	20.838	ug/l	98
47) Bromodichloromethane	9.65	83	61019	20.098	ug/l	99
48) Methyl methacrylate	9.44	41	26115	20.478	ug/l	95
49) 1,4-Dioxane	9.47	88	7192	400.245	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	145128	107.320	ug/l	100
52) Toluene	10.39	92	118328	20.626	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	63456	20.849	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	70189	20.582	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	33395	20.816	ug/l	99
56) Ethyl methacrylate	10.65	69	41830	21.121	ug/l	98
57) 1,3-Dichloropropane	10.94	76	58356	20.524	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	96708	107.722	ug/l	97
59) 2-Hexanone	10.98	43	105414	114.750	ug/l	99
60) Dibromochloromethane	11.13	129	41755	21.541	ug/l	98
61) 1,2-Dibromoethane	11.24	107	31894	21.322	ug/l	99
64) Tetrachloroethene	10.87	164	43121	20.198	ug/l	97
65) Chlorobenzene	11.66	112	131376	20.574	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	46936	20.423	ug/l	99
67) Ethyl Benzene	11.74	91	231964	20.466	ug/l	99
68) m/p-Xylenes	11.85	106	177520	41.456	ug/l	100
69) o-Xylene	12.17	106	82199	20.496	ug/l	100
70) Styrene	12.19	104	139515	20.672	ug/l	99
71) Bromoform	12.35	173	26138	21.426	ug/l #	98
73) Isopropylbenzene	12.47	105	236489	20.738	ug/l	100
74) N-amyl acetate	12.28	43	53207	20.605	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	39986	21.110	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	33978m	24.239	ug/l	
77) Bromobenzene	12.75	156	55811	20.881	ug/l	98
78) n-propylbenzene	12.81	91	287379	20.815	ug/l	99
79) 2-Chlorotoluene	12.90	91	164659	20.614	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	207045	20.880	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	13319	21.400	ug/l	99
82) 4-Chlorotoluene	12.99	91	178813	21.187	ug/l	100
83) tert-Butylbenzene	13.21	119	172718	20.732	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	210824	21.068	ug/l	99
85) sec-Butylbenzene	13.39	105	254528	21.066	ug/l	100
86) p-Isopropyltoluene	13.51	119	232758	21.493	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	114820	21.009	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	111981	20.601	ug/l	98
89) n-Butylbenzene	13.83	91	218112	21.352	ug/l	98
90) Hexachloroethane	14.10	117	39978	20.367	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	103469	21.446	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7940	22.001	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	75077	21.814	ug/l	100
94) Hexachlorobutadiene	15.24	225	47397	21.257	ug/l	97
95) Naphthalene	15.38	128	128032	22.116	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	66338	21.871	ug/l	99

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

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