

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101718\
 Data File : VW006147.D
 Acq On : 18 Oct 2018 02:21
 Operator : VA/AP
 Sample : VW1017SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1017SBSD02

Manual Integrations
 APPROVED

apatel
 10/18/2018 4:40:17 PM

Quant Time: Oct 18 13:50:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	268505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	394829	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	361438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	202510	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	115957	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
35) Dibromofluoromethane	7.88	113	117087	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
50) Toluene-d8	10.33	98	437250	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.62	95	167649	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	19261	14.496	ug/l	100
3) Chloromethane	2.21	50	30232	17.676	ug/l	100
4) Vinyl Chloride	2.37	62	44966	18.409	ug/l	97
5) Bromomethane	2.78	94	45666	20.555	ug/l	97
6) Chloroethane	2.93	64	33430	19.098	ug/l	99
7) Trichlorofluoromethane	3.26	101	38181	16.780	ug/l	95
8) Diethyl Ether	3.68	74	28382	23.470	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	46760	19.609	ug/l	99
10) Methyl Iodide	4.27	142	83685	21.085	ug/l	99
11) Tert butyl alcohol	5.21	59	16157	107.921	ug/l	99
12) 1,1-Dichloroethene	4.03	96	46052	20.527	ug/l	92
13) Acrolein	3.90	56	14542	100.382	ug/l	94
14) Allyl chloride	4.67	41	64307	20.047	ug/l	99
15) Acrylonitrile	5.38	53	48063	110.810	ug/l	99
16) Acetone	4.14	43	42895	93.442	ug/l	98
17) Carbon Disulfide	4.38	76	122457	18.086	ug/l	100
18) Methyl Acetate	4.68	43	26147	23.340	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	74318	21.750	ug/l	96
20) Methylene Chloride	4.92	84	54377	22.180	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	52389	20.921	ug/l	98
22) Diisopropyl ether	6.32	45	135798	21.422	ug/l	97
23) Vinyl Acetate	6.26	43	391384	104.620	ug/l	100
24) 1,1-Dichloroethane	6.21	63	87585	21.413	ug/l	99
25) 2-Butanone	7.18	43	65959	109.682	ug/l	98
26) 2,2-Dichloropropane	7.17	77	53342	18.490	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	59907	21.679	ug/l	99
28) Bromochloromethane	7.51	49	29579	18.731	ug/l	97
29) Tetrahydrofuran	7.54	42	41267	111.639	ug/l	98
30) Chloroform	7.68	83	96867	21.736	ug/l	100
31) Cyclohexane	7.96	56	78658	19.310	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	80889	20.122	ug/l	98
36) 1,1-Dichloropropene	8.09	75	74538	20.482	ug/l	99
37) Ethyl Acetate	7.26	43	29168	21.572	ug/l	99
38) Carbon Tetrachloride	8.07	117	76635	19.209	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	93700	19.369	ug/l	94
40) Benzene	8.32	78	208743	20.911	ug/l	99
41) Methacrylonitrile	7.49	41	16646	20.422	ug/l	94
42) 1,2-Dichloroethane	8.40	62	64151	21.873	ug/l	99
43) Isopropyl Acetate	8.43	43	58508	21.163	ug/l	99
44) Trichloroethene	9.09	130	63702	20.800	ug/l	98
45) 1,2-Dichloropropane	9.37	63	49710	20.810	ug/l	99
46) Dibromomethane	9.46	93	29707	21.820	ug/l	97
47) Bromodichloromethane	9.65	83	66377	20.109	ug/l	99
48) Methyl methacrylate	9.44	41	27670	21.115	ug/l	97
49) 1,4-Dioxane	9.47	88	9733	464.368	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	151754	109.557	ug/l	100
52) Toluene	10.39	92	140935	21.058	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	63546	19.322	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	74020	19.611	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	41420	21.740	ug/l	96
56) Ethyl methacrylate	10.65	69	50010	21.411	ug/l	96
57) 1,3-Dichloropropane	10.93	76	68409	21.690	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	94000	105.323	ug/l	99
59) 2-Hexanone	10.98	43	103815	104.993	ug/l	99
60) Dibromochloromethane	11.13	129	47190	19.885	ug/l	98
61) 1,2-Dibromoethane	11.24	107	40959	21.515	ug/l	99
64) Tetrachloroethene	10.87	164	61848	22.042	ug/l	95
65) Chlorobenzene	11.66	112	164273	21.231	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	56970	20.719	ug/l	99
67) Ethyl Benzene	11.74	91	280822	20.943	ug/l	99
68) m/p-Xylenes	11.84	106	221347	41.764	ug/l	99
69) o-Xylene	12.17	106	106778	21.140	ug/l	98
70) Styrene	12.18	104	172116	20.955	ug/l	100
71) Bromoform	12.35	173	29445	19.199	ug/l #	100
73) Isopropylbenzene	12.47	105	294029	20.552	ug/l	99
74) N-amyl acetate	12.28	43	57940	20.851	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	48060	22.087	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	30973m	20.024	ug/l	
77) Bromobenzene	12.75	156	74466	21.251	ug/l	99
78) n-propylbenzene	12.81	91	341288	20.504	ug/l	100
79) 2-Chlorotoluene	12.90	91	196881	21.052	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	250469	20.767	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	11227	17.350	ug/l	93
82) 4-Chlorotoluene	12.99	91	209192	21.354	ug/l	99
83) tert-Butylbenzene	13.21	119	221356	20.513	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	254954	20.890	ug/l	100
85) sec-Butylbenzene	13.39	105	312608	20.506	ug/l	100
86) p-Isopropyltoluene	13.51	119	279597	20.277	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	146951	21.072	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	145919	21.015	ug/l	99
89) n-Butylbenzene	13.83	91	254596	20.189	ug/l	99
90) Hexachloroethane	14.10	117	43765	18.738	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	133860	21.518	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8239	21.148	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	101899	21.289	ug/l	100
94) Hexachlorobutadiene	15.24	225	62189	20.683	ug/l	99
95) Naphthalene	15.38	128	175476	22.038	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	89855	21.704	ug/l	99

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

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