

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101518\
 Data File : VW006062.D
 Acq On : 15 Oct 2018 15:50
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 10/16/2018 10:33:41 AM

Quant Time: Oct 16 05:24:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 04:19:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	288111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	407208	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	369825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	202709	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	11979	4.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.76%	
35) Dibromofluoromethane	7.89	113	12106	4.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.42%	
50) Toluene-d8	10.33	98	45881	4.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.32%	
62) 4-Bromofluorobenzene	12.62	95	16754	4.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.96%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	7218	5.073	ug/l 95
3) Chloromethane	2.21	50	10259	6.053	ug/l 98
4) Vinyl Chloride	2.37	62	13597	5.172	ug/l 97
5) Bromomethane	2.78	94	12573	5.966	ug/l 100
6) Chloroethane	2.93	64	9030	5.289	ug/l 97
7) Trichlorofluoromethane	3.26	101	12182	5.685	ug/l 97
8) Diethyl Ether	3.68	74	7594	5.821	ug/l 89
9) 1,1,2-Trichlorotrifluoroet	4.07	101	13394	5.108	ug/l 96
10) Methyl Iodide	4.26	142	20991	4.877	ug/l 99
11) Tert butyl alcohol	5.23	59	4314m	21.811	ug/l
12) 1,1-Dichloroethene	4.04	96	12490	4.986	ug/l 91
13) Acrolein	3.90	56	4129	22.974	ug/l 92
14) Allyl chloride	4.67	41	17685	4.219	ug/l 98
15) Acrylonitrile	5.38	53	11660	21.390	ug/l 97
16) Acetone	4.14	43	13731	25.637	ug/l 100
17) Carbon Disulfide	4.37	76	36806	4.862	ug/l 97
18) Methyl Acetate	4.68	43	6483	4.725	ug/l 100
19) Methyl tert-butyl Ether	5.44	73	19098	4.906	ug/l 95
20) Methylene Chloride	4.92	84	18865	6.788	ug/l 96
21) trans-1,2-Dichloroethene	5.42	96	13567	4.954	ug/l 97
22) Diisopropyl ether	6.32	45	33190	4.211	ug/l 97
23) Vinyl Acetate	6.26	43	95014	19.740	ug/l 98
24) 1,1-Dichloroethane	6.21	63	21555	4.434	ug/l 100
25) 2-Butanone	7.19	43	15480	20.203	ug/l 97
26) 2,2-Dichloropropane	7.17	77	16760	4.929	ug/l 95
27) cis-1,2-Dichloroethene	7.17	96	14921	4.828	ug/l 97
28) Bromochloromethane	7.52	49	8428	4.580	ug/l 95
29) Tetrahydrofuran	7.54	42	10027	20.686	ug/l 98
30) Chloroform	7.68	83	23648	4.705	ug/l 99
31) Cyclohexane	7.96	56	26029	5.427	ug/l # 83
32) 1,1,1-Trichloroethane	7.87	97	21716	4.844	ug/l 97
36) 1,1-Dichloropropene	8.09	75	19158	4.974	ug/l 99
37) Ethyl Acetate	7.26	43	6899	4.309	ug/l 99
38) Carbon Tetrachloride	8.07	117	20566	4.953	ug/l 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	25730	5.072	ug/l	100
40) Benzene	8.33	78	51768	4.908	ug/l	100
41) Methacrylonitrile	7.49	41	3145	3.114	ug/l #	69
42) 1,2-Dichloroethane	8.41	62	15296	4.802	ug/l	98
43) Isopropyl Acetate	8.43	43	13902	4.169	ug/l	99
44) Trichloroethene	9.09	130	15879	5.157	ug/l	95
45) 1,2-Dichloropropane	9.37	63	12295	4.679	ug/l	99
46) Dibromomethane	9.46	93	6853	4.716	ug/l	98
47) Bromodichloromethane	9.65	83	16303	4.474	ug/l	98
48) Methyl methacrylate	9.45	41	6455	4.053	ug/l	96
49) 1,4-Dioxane	9.48	88	2162	97.438	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	34619	21.221	ug/l	99
52) Toluene	10.39	92	34740	4.994	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	15655	4.146	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	18336	4.303	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	9688	4.800	ug/l	95
56) Ethyl methacrylate	10.65	69	11216	4.182	ug/l	96
57) 1,3-Dichloropropane	10.94	76	15860	4.687	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	25636	23.695	ug/l	98
59) 2-Hexanone	10.98	43	23922	20.562	ug/l	94
60) Dibromochloromethane	11.13	129	11000	4.240	ug/l	100
61) 1,2-Dibromoethane	11.24	107	9400	4.657	ug/l	99
64) Tetrachloroethene	10.87	164	14631	5.321	ug/l	96
65) Chlorobenzene	11.66	112	40270	5.132	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	13315	4.629	ug/l	99
67) Ethyl Benzene	11.74	91	68999	4.996	ug/l	99
68) m/p-Xylenes	11.84	106	53934	9.964	ug/l	100
69) o-Xylene	12.17	106	25689	4.953	ug/l	100
70) Styrene	12.19	104	40380	4.702	ug/l	99
71) Bromoform	12.35	173	6945	4.081	ug/l #	95
73) Isopropylbenzene	12.47	105	72124	4.935	ug/l	99
74) N-amyl acetate	12.28	43	13251	3.915	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	10684	4.488	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	8382m	4.798	ug/l	
77) Bromobenzene	12.75	156	17610	5.057	ug/l	98
78) n-propylbenzene	12.81	91	83943	4.887	ug/l	99
79) 2-Chlorotoluene	12.90	91	47004	4.842	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	60101	4.865	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	2705	3.288	ug/l	92
82) 4-Chlorotoluene	12.99	91	49480	4.864	ug/l	99
83) tert-Butylbenzene	13.21	119	53887	4.910	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	61358	4.929	ug/l	98
85) sec-Butylbenzene	13.39	105	77007	4.994	ug/l	99
86) p-Isopropyltoluene	13.51	119	68534	4.935	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	35314	5.111	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	35899	5.229	ug/l	95
89) n-Butylbenzene	13.83	91	63188	4.858	ug/l	98
90) Hexachloroethane	14.10	117	10656	4.125	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	31650	5.150	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1966	4.465	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	24093	5.092	ug/l	99
94) Hexachlorobutadiene	15.24	225	15321	5.185	ug/l	99
95) Naphthalene	15.38	128	37773	4.646	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	20266	4.945	ug/l	99

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

