

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122618\
 Data File : VW007906.D
 Acq On : 25 Dec 2018 00:04
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 12/27/2018 11:17:11 AM

Quant Time: Dec 25 03:58:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 25 03:37:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	81363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	139028	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	127521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	62287	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	18169	19.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.60%	
35) Dibromofluoromethane	7.88	113	16009	18.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.44%	
50) Toluene-d8	10.32	98	61085	18.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.80%	
62) 4-Bromofluorobenzene	12.62	95	23912	19.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.30%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	12362m	17.283	ug/l
3) Chloromethane	2.21	50	10579	22.520	ug/l
4) Vinyl Chloride	2.37	62	12988	21.888	ug/l
5) Bromomethane	2.78	94	8137	19.863	ug/l
6) Chloroethane	2.92	64	6490	20.332	ug/l
7) Trichlorofluoromethane	3.25	101	9091	15.640	ug/l
8) Diethyl Ether	3.68	74	8590	23.246	ug/l
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15499	17.834	ug/l
10) Methyl Iodide	4.26	142	25570	18.433	ug/l
11) Tert butyl alcohol	5.17	59	7388	118.182	ug/l
12) 1,1-Dichloroethene	4.03	96	15734	19.471	ug/l
13) Acrolein	3.89	56	4395	93.185	ug/l
14) Allyl chloride	4.66	41	22562	20.643	ug/l
15) Acrylonitrile	5.37	53	16958	105.744	ug/l
16) Acetone	4.12	43	15387	91.968	ug/l
17) Carbon Disulfide	4.37	76	41988	16.986	ug/l
18) Methyl Acetate	4.67	43	9662	22.776	ug/l
19) Methyl tert-butyl Ether	5.42	73	26766	22.237	ug/l
20) Methylene Chloride	4.91	84	23946	22.976	ug/l
21) trans-1,2-Dichloroethene	5.42	96	16861	18.905	ug/l
22) Diisopropyl ether	6.31	45	46071	22.390	ug/l
23) Vinyl Acetate	6.25	43	129887	107.360	ug/l
24) 1,1-Dichloroethane	6.21	63	29409	19.796	ug/l
25) 2-Butanone	7.17	43	21547	106.106	ug/l
26) 2,2-Dichloropropane	7.17	77	19112	17.914	ug/l
27) cis-1,2-Dichloroethene	7.17	96	18511	19.332	ug/l
28) Bromochloromethane	7.51	49	11189	21.937	ug/l
29) Tetrahydrofuran	7.52	42	14264	116.258	ug/l
30) Chloroform	7.67	83	31999	19.246	ug/l
31) Cyclohexane	7.96	56	25802	19.081	ug/l
32) 1,1,1-Trichloroethane	7.87	97	27449	18.280	ug/l
36) 1,1-Dichloropropene	8.09	75	23689	17.709	ug/l
37) Ethyl Acetate	7.25	43	10184	21.453	ug/l
38) Carbon Tetrachloride	8.07	117	24627	15.901	ug/l

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	28991	17.418	ug/l	97
40) Benzene	8.32	78	67491	18.735	ug/l	99
41) Methacrylonitrile	7.49	41	5578	20.063	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	22794	18.947	ug/l	100
43) Isopropyl Acetate	8.43	43	19761	20.744	ug/l	97
44) Trichloroethene	9.09	130	19127	17.755	ug/l	100
45) 1,2-Dichloropropane	9.37	63	16061	19.903	ug/l	97
46) Dibromomethane	9.46	93	9198	18.794	ug/l	96
47) Bromodichloromethane	9.65	83	22831	17.764	ug/l	98
48) Methyl methacrylate	9.44	41	9696	20.327	ug/l	97
49) 1,4-Dioxane	9.45	88	3275	418.033	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	47559	104.987	ug/l	100
52) Toluene	10.39	92	44492	18.465	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	23431	18.210	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	26142	18.393	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	12826	18.815	ug/l	98
56) Ethyl methacrylate	10.65	69	15875	19.649	ug/l	100
57) 1,3-Dichloropropane	10.93	76	22233	19.556	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	38852	104.498	ug/l	99
59) 2-Hexanone	10.97	43	32672	102.970	ug/l	98
60) Dibromochloromethane	11.13	129	14964	16.859	ug/l	100
61) 1,2-Dibromoethane	11.24	107	12830	18.623	ug/l	99
64) Tetrachloroethene	10.87	164	16012	17.703	ug/l	96
65) Chlorobenzene	11.66	112	49154	17.751	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	17091	17.379	ug/l	98
67) Ethyl Benzene	11.73	91	87196	18.298	ug/l	100
68) m/p-Xylenes	11.84	106	66462	36.101	ug/l	99
69) o-Xylene	12.17	106	31761	18.365	ug/l	100
70) Styrene	12.18	104	52229	18.357	ug/l	100
71) Bromoform	12.35	173	7799	15.551	ug/l #	98
73) Isopropylbenzene	12.47	105	88588	18.676	ug/l	100
74) N-amyl acetate	12.27	43	17956	21.176	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	14006	19.433	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	11466m	23.160	ug/l	
77) Bromobenzene	12.75	156	20146	18.571	ug/l	99
78) n-propylbenzene	12.81	91	101684	18.404	ug/l	100
79) 2-Chlorotoluene	12.90	91	60703	18.765	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	75555	18.464	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	3917	17.008	ug/l	90
82) 4-Chlorotoluene	12.99	91	64583	18.837	ug/l	100
83) tert-Butylbenzene	13.21	119	66042	18.398	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	77716	18.812	ug/l	99
85) sec-Butylbenzene	13.39	105	91246	18.465	ug/l	100
86) p-Isopropyltoluene	13.51	119	81981	18.280	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	39992	18.538	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	39689	18.454	ug/l	99
89) n-Butylbenzene	13.83	91	73887	17.957	ug/l	100
90) Hexachloroethane	14.10	117	12959	16.680	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	35889	18.594	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2565	17.494	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	24298	18.225	ug/l	99
94) Hexachlorobutadiene	15.24	225	12748	17.927	ug/l	99
95) Naphthalene	15.38	128	48632	19.463	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	21015	18.326	ug/l	97

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

