

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101518\
 Data File : VW006064.D
 Acq On : 15 Oct 2018 17:54
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 10/16/2018 10:33:53 AM

Quant Time: Oct 16 05:11:43 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	293744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	419976	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	382553	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	214764	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	49068	17.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.18%	
35) Dibromofluoromethane	7.88	113	49308	18.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.24%	
50) Toluene-d8	10.33	98	189879	18.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.40%	
62) 4-Bromofluorobenzene	12.62	95	71780	18.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	24845	17.126	ug/l	95
3) Chloromethane	2.21	50	33698	19.501	ug/l	98
4) Vinyl Chloride	2.37	62	51009	19.032	ug/l	97
5) Bromomethane	2.78	94	46918	21.836	ug/l	98
6) Chloroethane	2.93	64	39733	22.824	ug/l	97
7) Trichlorofluoromethane	3.26	101	48198	22.060	ug/l	97
8) Diethyl Ether	3.68	74	24560	18.466	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53740	20.102	ug/l	99
10) Methyl Iodide	4.26	142	88230	20.104	ug/l	100
11) Tert butyl alcohol	5.24	59	15159	75.172	ug/l	99
12) 1,1-Dichloroethene	4.03	96	49746	19.478	ug/l	97
13) Acrolein	3.90	56	17086	93.246	ug/l	96
14) Allyl chloride	4.67	41	71327	16.692	ug/l	99
15) Acrylonitrile	5.38	53	46582	83.813	ug/l	99
16) Acetone	4.15	43	55581	101.787	ug/l	97
17) Carbon Disulfide	4.37	76	148811	19.279	ug/l	99
18) Methyl Acetate	4.68	43	22825	16.316	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	75614	19.052	ug/l	96
20) Methylene Chloride	4.91	84	54916	19.380	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	55713	19.955	ug/l	95
22) Diisopropyl ether	6.31	45	140921	17.538	ug/l	98
23) Vinyl Acetate	6.26	43	414405	84.446	ug/l	99
24) 1,1-Dichloroethane	6.21	63	91645	18.491	ug/l	100
25) 2-Butanone	7.18	43	68236	87.346	ug/l	100
26) 2,2-Dichloropropane	7.17	77	67316	19.419	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	62703	19.898	ug/l	99
28) Bromochloromethane	7.51	49	30684	16.355	ug/l	98
29) Tetrahydrofuran	7.54	42	40026	80.991	ug/l	97
30) Chloroform	7.68	83	100481	19.608	ug/l	99
31) Cyclohexane	7.95	56	90281	18.461	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	91616	20.042	ug/l	100
36) 1,1-Dichloropropene	8.09	75	81512	20.519	ug/l	99
37) Ethyl Acetate	7.26	43	30186	18.280	ug/l	99
38) Carbon Tetrachloride	8.07	117	87823	20.510	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	107285	20.504	ug/l	95
40) Benzene	8.32	78	220494	20.271	ug/l	99
41) Methacrylonitrile	7.49	41	18026	17.306	ug/l	97
42) 1,2-Dichloroethane	8.40	62	63710	19.394	ug/l	99
43) Isopropyl Acetate	8.43	43	58860	17.115	ug/l	99
44) Trichloroethene	9.09	130	68413	21.545	ug/l	99
45) 1,2-Dichloropropane	9.37	63	53010	19.559	ug/l	100
46) Dibromomethane	9.46	93	29517	19.694	ug/l	100
47) Bromodichloromethane	9.65	83	71585	19.050	ug/l	99
48) Methyl methacrylate	9.44	41	27223	16.572	ug/l	97
49) 1,4-Dioxane	9.48	88	8554	373.794	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	146640	87.155	ug/l	99
52) Toluene	10.39	92	146903	20.478	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	69882	17.946	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	82508	18.775	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	40828	19.613	ug/l	96
56) Ethyl methacrylate	10.65	69	49751	17.987	ug/l	97
57) 1,3-Dichloropropane	10.93	76	68984	19.767	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	94148	84.373	ug/l	99
59) 2-Hexanone	10.98	43	107820	89.859	ug/l	99
60) Dibromochloromethane	11.13	129	50406	18.838	ug/l	100
61) 1,2-Dibromoethane	11.24	107	40903	19.647	ug/l	100
64) Tetrachloroethene	10.87	164	60610	21.311	ug/l	97
65) Chlorobenzene	11.66	112	171117	21.084	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	59606	20.031	ug/l	99
67) Ethyl Benzene	11.74	91	300129	21.009	ug/l	99
68) m/p-Xylenes	11.84	106	235038	41.977	ug/l	100
69) o-Xylene	12.17	106	111414	20.766	ug/l	99
70) Styrene	12.18	104	179198	20.170	ug/l	100
71) Bromoform	12.35	173	31825	18.078	ug/l #	99
73) Isopropylbenzene	12.47	105	314548	20.316	ug/l	99
74) N-amyl acetate	12.28	43	58502	16.313	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	46030	18.251	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	30848m	16.668	ug/l	
77) Bromobenzene	12.75	156	76490	20.733	ug/l	100
78) n-propylbenzene	12.81	91	368950	20.275	ug/l	99
79) 2-Chlorotoluene	12.90	91	204896	19.921	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	267643	20.447	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	13510	15.500	ug/l	98
82) 4-Chlorotoluene	12.99	91	217514	20.182	ug/l	100
83) tert-Butylbenzene	13.21	119	239205	20.571	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	270700	20.523	ug/l	99
85) sec-Butylbenzene	13.39	105	340174	20.824	ug/l	100
86) p-Isopropyltoluene	13.51	119	307399	20.894	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	153133	20.919	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	152165	20.920	ug/l	100
89) n-Butylbenzene	13.83	91	285304	20.705	ug/l	99
90) Hexachloroethane	14.10	117	51096	18.669	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	136374	20.945	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8116	17.396	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	105700	21.085	ug/l	99
94) Hexachlorobutadiene	15.25	225	66060	21.100	ug/l	99
95) Naphthalene	15.38	128	169516	19.678	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	90212	20.775	ug/l	99

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

