

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120418\
 Data File : VW007172.D
 Acq On : 04 Dec 2018 00:53
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 12/5/2018 12:43:00 PM

Quant Time: Dec 04 03:55:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 04 03:43:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	119064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	188257	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	180371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	91477	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	23010	19.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.64%	
35) Dibromofluoromethane	7.88	113	21576	20.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.78%	
50) Toluene-d8	10.33	98	92482	19.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.84%	
62) 4-Bromofluorobenzene	12.62	95	36229	19.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	27204	23.411	ug/l	100
3) Chloromethane	2.21	50	43353	40.066	ug/l	95
4) Vinyl Chloride	2.35	62	20092	21.148	ug/l	95
5) Bromomethane	2.73	94	8133	16.772	ug/l	94
6) Chloroethane	2.90	64	11325	21.587	ug/l	96
7) Trichlorofluoromethane	3.25	101	40661	21.603	ug/l	99
8) Diethyl Ether	3.68	74	12551	20.600	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	24073	19.777	ug/l	98
10) Methyl Iodide	4.27	142	12714	10.012	ug/l	98
11) Tert butyl alcohol	5.15	59	15629	192.728	ug/l #	94
12) 1,1-Dichloroethene	4.03	96	22967	21.357	ug/l	98
13) Acrolein	3.89	56	8490	108.036	ug/l	95
14) Allyl chloride	4.67	41	38632	21.624	ug/l	99
15) Acrylonitrile	5.37	53	26277	113.888	ug/l	99
16) Acetone	4.12	43	21586	122.618	ug/l	97
17) Carbon Disulfide	4.37	76	80249	22.857	ug/l	100
18) Methyl Acetate	4.67	43	14392	23.691	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	60472	21.643	ug/l	98
20) Methylene Chloride	4.91	84	28678	17.164	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	26589	21.172	ug/l	95
22) Diisopropyl ether	6.31	45	71274	20.590	ug/l	96
23) Vinyl Acetate	6.25	43	198369	108.109	ug/l	96
24) 1,1-Dichloroethane	6.21	63	46155	21.855	ug/l	99
25) 2-Butanone	7.17	43	30642	105.679	ug/l	96
26) 2,2-Dichloropropane	7.17	77	38559	20.393	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	29209	21.775	ug/l	99
28) Bromochloromethane	7.51	49	16960	21.556	ug/l	98
29) Tetrahydrofuran	7.53	42	21373	114.011	ug/l	97
30) Chloroform	7.68	83	47647	21.216	ug/l	92
31) Cyclohexane	7.95	56	44330	20.071	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	41932	20.759	ug/l	99
36) 1,1-Dichloropropene	8.08	75	37978	20.945	ug/l	98
37) Ethyl Acetate	7.25	43	13500	20.321	ug/l	98
38) Carbon Tetrachloride	8.07	117	36291	20.792	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	47180	20.772	ug/l	98
40) Benzene	8.32	78	104880	21.288	ug/l	97
41) Methacrylonitrile	7.48	41	9637	23.136	ug/l	99
42) 1,2-Dichloroethane	8.40	62	30258	21.172	ug/l	99
43) Isopropyl Acetate	8.42	43	27542	21.636	ug/l	97
44) Trichloroethene	9.10	130	29617	21.432	ug/l	96
45) 1,2-Dichloropropane	9.37	63	25611	21.205	ug/l	97
46) Dibromomethane	9.46	93	13576	22.160	ug/l	98
47) Bromodichloromethane	9.65	83	35053	21.830	ug/l	97
48) Methyl methacrylate	9.44	41	13811	22.582	ug/l	97
49) 1,4-Dioxane	9.45	88	4398	471.644	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	66610	104.135	ug/l	99
52) Toluene	10.39	92	71737	21.396	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	34567	22.166	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	40799	21.835	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	19342	21.587	ug/l	97
56) Ethyl methacrylate	10.65	69	24301	23.027	ug/l	99
57) 1,3-Dichloropropane	10.93	76	32840	21.861	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	52640	98.578	ug/l	98
59) 2-Hexanone	10.97	43	45118	103.317	ug/l	99
60) Dibromochloromethane	11.13	129	23429	22.773	ug/l	100
61) 1,2-Dibromoethane	11.24	107	18632	22.515	ug/l	99
64) Tetrachloroethene	10.87	164	25601	21.865	ug/l	95
65) Chlorobenzene	11.66	112	78682	20.975	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	24900	21.655	ug/l	97
67) Ethyl Benzene	11.73	91	143566	20.872	ug/l	100
68) m/p-Xylenes	11.84	106	113044	41.860	ug/l	100
69) o-Xylene	12.17	106	52549	20.650	ug/l	95
70) Styrene	12.18	104	86503	21.288	ug/l	99
71) Bromoform	12.35	173	12726	23.271	ug/l #	96
73) Isopropylbenzene	12.47	105	144518	20.570	ug/l	98
74) N-amyl acetate	12.27	43	27480	22.912	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	20706	21.847	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	15642m	21.093	ug/l	
77) Bromobenzene	12.75	156	31916	21.096	ug/l	95
78) n-propylbenzene	12.81	91	173262	20.408	ug/l	99
79) 2-Chlorotoluene	12.90	91	100370	20.466	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	125646	20.683	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	6349	21.979	ug/l	96
82) 4-Chlorotoluene	12.99	91	107304	20.876	ug/l	99
83) tert-Butylbenzene	13.21	119	107797	20.462	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	125563	20.720	ug/l	99
85) sec-Butylbenzene	13.39	105	151500	20.421	ug/l	99
86) p-Isopropyltoluene	13.51	119	136364	20.809	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	64560	20.955	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	64636	20.928	ug/l	99
89) n-Butylbenzene	13.83	91	127824	20.765	ug/l	97
90) Hexachloroethane	14.10	117	19933	20.577	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	57616	21.265	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3835	23.540	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	38243	21.254	ug/l	99
94) Hexachlorobutadiene	15.24	225	19439	20.148	ug/l	99
95) Naphthalene	15.38	128	69048	21.061	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	31583	21.163	ug/l	99

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

