

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073018\
 Data File : VW004309.D
 Acq On : 29 Jul 2018 12:38
 Operator : SY/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
 7/30/2018 10:32:25 AM

Quant Time: Jul 30 01:44:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W073018S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 30 01:27:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	269837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	410535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	377051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	202310	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	54009	19.84	ug/l	0.00
Spiked Amount			Recovery	=	39.68%	
35) Dibromofluoromethane	7.88	113	50388	19.42	ug/l	0.00
Spiked Amount			Recovery	=	38.84%	
50) Toluene-d8	10.32	98	198303	19.34	ug/l	0.00
Spiked Amount			Recovery	=	38.68%	
62) 4-Bromofluorobenzene	12.62	95	71014	19.67	ug/l	0.00
Spiked Amount			Recovery	=	39.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	16019m	16.75	ug/l	
3) Chloromethane	2.21	50	24349	16.09	ug/l	99
4) Vinyl Chloride	2.36	62	48894	18.77	ug/l	99
5) Bromomethane	2.77	94	30192	17.55	ug/l	99
6) Chloroethane	2.92	64	27155	16.61	ug/l	99
7) Trichlorofluoromethane	3.25	101	27948	17.93	ug/l	95
8) Diethyl Ether	3.67	74	21206	15.53	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	38658	14.30	ug/l	95
10) Methyl Iodide	4.26	142	60205	14.89	ug/l	99
11) Tert butyl alcohol	5.18	59	15084	75.54	ug/l	99
12) 1,1-Dichloroethene	4.03	96	37415	13.86	ug/l	92
13) Acrolein	3.89	56	11029	62.31	ug/l	96
14) Allyl chloride	4.66	41	57794	13.31	ug/l	93
15) Acrylonitrile	5.37	53	44923	73.26	ug/l	99
16) Acetone	4.12	43	39887	63.95	ug/l	96
17) Carbon Disulfide	4.37	76	116882	14.00	ug/l	100
18) Methyl Acetate	4.67	43	20795	12.96	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	76164	15.84	ug/l	95
20) Methylene Chloride	4.90	84	42243	14.55	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	44340	15.40	ug/l	91
22) Diisopropyl ether	6.31	45	150230	18.39	ug/l	99
23) Vinyl Acetate	6.26	43	420331	88.67	ug/l	97
24) 1,1-Dichloroethane	6.21	63	89487	17.01	ug/l	98
25) 2-Butanone	7.18	43	84889	112.29	ug/l	99
26) 2,2-Dichloropropane	7.17	77	64217	21.04	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	61109	20.85	ug/l	99
28) Bromochloromethane	7.51	49	43216	23.43	ug/l	97
29) Tetrahydrofuran	7.53	42	53993	111.62	ug/l	98
30) Chloroform	7.68	83	104592	20.81	ug/l	98
31) Cyclohexane	7.95	56	97887	21.07	ug/l	# 95
32) 1,1,1-Trichloroethane	7.87	97	84490	20.47	ug/l	100
36) 1,1-Dichloropropene	8.09	75	84744	20.63	ug/l	100
37) Ethyl Acetate	7.26	43	37352	22.19	ug/l	100
38) Carbon Tetrachloride	8.07	117	80164	19.77	ug/l	98

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39) Methylcyclohexane	9.34	83	95835	19.36	ug/l	97
40) Benzene	8.32	78	239493	20.73	ug/l	99
41) Methacrylonitrile	7.49	41	21409	22.03	ug/l	98
42) 1,2-Dichloroethane	8.40	62	62521	18.93	ug/l	100
43) Isopropyl Acetate	8.43	43	52729	17.38	ug/l	95
44) Trichloroethene	9.09	130	61452	19.70	ug/l	99
45) 1,2-Dichloropropane	9.37	63	61114	21.32	ug/l	99
46) Dibromomethane	9.46	93	30770	21.02	ug/l	99
47) Bromodichloromethane	9.65	83	75324	20.29	ug/l	99
48) Methyl methacrylate	9.44	41	32264	20.89	ug/l	98
49) 1,4-Dioxane	9.45	88	9895	445.86	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	181844	109.24	ug/l	99
52) Toluene	10.39	92	147638	20.35	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	71632	19.26	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	88677	20.45	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	43375	20.79	ug/l	94
56) Ethyl methacrylate	10.65	69	51707	20.49	ug/l	98
57) 1,3-Dichloropropane	10.94	76	74623	21.00	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	121498	108.36	ug/l	99
59) 2-Hexanone	10.98	43	127611	111.64	ug/l	99
60) Dibromochloromethane	11.13	129	51534	20.65	ug/l	96
61) 1,2-Dibromoethane	11.24	107	40467	20.34	ug/l	98
64) Tetrachloroethene	10.87	164	53535	19.38	ug/l	97
65) Chlorobenzene	11.66	112	156250	19.73	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.74	131	55807	19.98	ug/l	98
67) Ethyl Benzene	11.74	91	271238	19.65	ug/l	97
68) m/p-Xylenes	11.85	106	214826	40.44	ug/l	100
69) o-Xylene	12.17	106	89587	18.25	ug/l	95
70) Styrene	12.19	104	156168	18.83	ug/l	97
71) Bromoform	12.35	173	30438	19.45	ug/l	# 100
73) Isopropylbenzene	12.47	105	275289	19.62	ug/l	99
74) N-amyl acetate	12.28	43	64336	21.16	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	51067	20.78	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	34528m	11.20	ug/l	
77) Bromobenzene	12.76	156	66068	19.49	ug/l	98
78) n-propylbenzene	12.81	91	336932	19.72	ug/l	99
79) 2-Chlorotoluene	12.90	91	190400	19.48	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	239444	19.81	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	16406	20.68	ug/l	97
82) 4-Chlorotoluene	12.99	91	209590	20.26	ug/l	97
83) tert-Butylbenzene	13.21	119	193660	19.24	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	247109	20.05	ug/l	99
85) sec-Butylbenzene	13.39	105	292977	19.92	ug/l	98
86) p-Isopropyltoluene	13.51	119	267316	20.24	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	138582	20.43	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	133178	19.68	ug/l	99
89) n-Butylbenzene	13.84	91	249486	20.23	ug/l	100
90) Hexachloroethane	14.10	117	46694	19.82	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	122736	20.21	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8864	20.66	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	84136	19.73	ug/l	100
94) Hexachlorobutadiene	15.25	225	50324	19.32	ug/l	99
95) Naphthalene	15.38	128	142750	19.46	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	73433	19.68	ug/l	99

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

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