

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121918\
 Data File : VX006659.D
 Acq On : 20 Dec 2018 01:11
 Operator : JC/MD
 Sample : J6484-06MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 966-MW-04(23)MSD

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 10:00:51 AM

Quant Time: Dec 20 05:04:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	570412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	887271	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	826660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	428595	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	313928	51.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.12%	
35) Dibromofluoromethane	5.51	113	290575	51.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.58%	
50) Toluene-d8	8.71	98	1084382	51.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.52%	
62) 4-Bromofluorobenzene	11.13	95	407754	52.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	235651	45.159	ug/l	98
3) Chloromethane	1.33	50	277985	49.447	ug/l	97
4) Vinyl Chloride	1.41	62	294707	50.192	ug/l	99
5) Bromomethane	1.64	94	293154	53.641	ug/l	98
6) Chloroethane	1.72	64	190050	46.746	ug/l	99
7) Trichlorofluoromethane	1.93	101	451366	49.307	ug/l	97
8) Diethyl Ether	2.19	74	177517	48.823	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	250398	46.586	ug/l	99
10) Methyl Iodide	2.51	142	429641	55.841	ug/l	100
11) Tert butyl alcohol	3.07	59	362400	264.142	ug/l	99
12) 1,1-Dichloroethene	2.37	96	251248	49.299	ug/l	99
13) Acrolein	2.30	56	206936	223.581	ug/l	97
14) Allyl chloride	2.73	41	432576	50.425	ug/l	99
15) Acrylonitrile	3.15	53	794245	260.729	ug/l	100
16) Acetone	2.45	43	659641	233.549	ug/l	99
17) Carbon Disulfide	2.57	76	620951	46.040	ug/l	99
18) Methyl Acetate	2.78	43	431073	51.904	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	889804	52.604	ug/l	98
20) Methylene Chloride	2.86	84	286354	49.030	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	273457	48.426	ug/l	97
22) Diisopropyl ether	3.87	45	823322	52.461	ug/l	99
23) Vinyl Acetate	3.82	43	3270068	254.734	ug/l	99
24) 1,1-Dichloroethane	3.70	63	472763	50.463	ug/l	98
25) 2-Butanone	4.70	43	992279	249.762	ug/l	96
26) 2,2-Dichloropropane	4.59	77	295334	40.810	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	313575	50.331	ug/l	100
28) Bromochloromethane	5.02	49	210471	53.421	ug/l	99
29) Tetrahydrofuran	5.15	42	679792	259.791	ug/l	99
30) Chloroform	5.21	83	501355	51.677	ug/l	99
31) Cyclohexane	5.57	56	402918	47.340	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	424279	51.792	ug/l	99
36) 1,1-Dichloropropene	5.80	75	361871	49.243	ug/l	100
37) Ethyl Acetate	4.85	43	384628	50.287	ug/l	99
38) Carbon Tetrachloride	5.78	117	361501	50.618	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	429891	44.435	ug/l	98
40) Benzene	6.14	78	1134155	50.774	ug/l	100
41) Methacrylonitrile	5.06	41	217891	53.657	ug/l	99
42) 1,2-Dichloroethane	6.20	62	377332	49.573	ug/l	100
43) Isopropyl Acetate	6.46	43	611466	52.542	ug/l	100
44) Trichloroethene	7.21	130	328150	48.537	ug/l	96
45) 1,2-Dichloropropane	7.51	63	276858	50.932	ug/l	100
46) Dibromomethane	7.66	93	202054	50.535	ug/l	99
47) Bromodichloromethane	7.90	83	342335	51.571	ug/l	99
48) Methyl methacrylate	7.77	41	319627	54.008	ug/l	99
49) 1,4-Dioxane	7.75	88	165504	1070.239	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	2011221	271.613	ug/l	100
52) Toluene	8.79	92	738691	51.188	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	372383	52.306	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	409379	52.406	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	304853	51.610	ug/l	99
56) Ethyl methacrylate	9.18	69	458092	54.871	ug/l	99
57) 1,3-Dichloropropane	9.37	76	484991	51.033	ug/l	99
59) 2-Hexanone	9.49	43	1517696	267.885	ug/l	99
60) Dibromochloromethane	9.59	129	301021	48.785	ug/l	98
61) 1,2-Dibromoethane	9.67	107	328094	52.251	ug/l	99
64) Tetrachloroethene	9.34	164	312248	47.701	ug/l	96
65) Chlorobenzene	10.14	112	866626	49.553	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	292096	53.533	ug/l	100
67) Ethyl Benzene	10.25	91	1435757	50.240	ug/l	99
68) m/p-Xylenes	10.36	106	1141855	101.258	ug/l	100
69) o-Xylene	10.70	106	570842	51.263	ug/l	100
70) Stvrene	10.71	104	920783	52.267	ug/l	99
71) Bromoform	10.86	173	221120	45.379	ug/l	99
73) Isopropylbenzene	11.02	105	1480856	50.505	ug/l	100
74) N-amyl acetate	10.90	43	556322	53.007	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	457210	52.432	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	416773m	52.325	ug/l	
77) Bromobenzene	11.26	156	406002	51.217	ug/l	100
78) n-propylbenzene	11.36	91	1652465	51.178	ug/l	100
79) 2-Chlorotoluene	11.42	91	981526	50.162	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1230404	50.947	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	110090	42.735	ug/l	98
82) 4-Chlorotoluene	11.51	91	1134810	50.560	ug/l	100
83) tert-Butylbenzene	11.77	119	1256837	51.998	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1268149	49.922	ug/l	100
85) sec-Butylbenzene	11.94	105	1502745	50.708	ug/l	100
86) p-Isopropyltoluene	12.07	119	1331094	51.097	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	727349	50.911	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	725904	49.564	ug/l	99
89) n-Butylbenzene	12.39	91	1114647	50.277	ug/l	99
90) Hexachloroethane	12.60	117	196362	48.284	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	714678	50.007	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	93202	51.655	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	500123	50.732	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	213520	45.952	ug/l	99
95) Naphthalene	13.83	128	1590951	50.564	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	499465	49.071	ug/l	99

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

