

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061721\
 Data File : VX022751.D
 Acq On : 17 Jun 2021 19:24
 Operator : JC/MD
 Sample : M2750-14MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D1-20210616MSD

Manual Integrations
 APPROVED

MMDadoda
 6/18/2021 8:59:31 AM

Quant Time: Jun 18 01:19:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 10 12:20:00 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	64328	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	127503	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	117013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	51648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	55501	47.973	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.940%		
35) Dibromofluoromethane	5.397	113	39898	49.045	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.080%		
50) Toluene-d8	8.653	98	156400	48.770	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.540%		
62) 4-Bromofluorobenzene	11.085	95	60791	50.123	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	35366	46.849	ug/l	99
3) Chloromethane	1.295	50	39645	43.463	ug/l	98
4) Vinyl Chloride	1.374	62	40655	45.360	ug/l	98
5) Bromomethane	1.599	94	26294	53.929	ug/l	98
6) Chloroethane	1.679	64	25841	47.616	ug/l	99
7) Trichlorofluoromethane	1.886	101	64098	49.663	ug/l	93
8) Diethyl Ether	2.142	74	25067	48.075	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.325	101	37877	48.103	ug/l	89
10) Methyl Iodide	2.453	142	41498	47.004	ug/l	92
11) Tert butyl alcohol	2.983	59	63416	236.740	ug/l	99
12) 1,1-Dichloroethene	2.319	96	37007	47.385	ug/l	97
13) Acrolein	2.240	56	25710	229.031	ug/l	97
14) Allyl chloride	2.666	41	72870	48.262	ug/l	95
15) Acrylonitrile	3.075	53	134330	255.330	ug/l	99
16) Acetone	2.392	43	128224	247.517	ug/l	94
17) Carbon Disulfide	2.514	76	76938	43.779	ug/l	100
18) Methyl Acetate	2.715	43	70339	45.108	ug/l	90
19) Methyl tert-butyl Ether	3.123	73	135054	49.837	ug/l	99
20) Methylene Chloride	2.794	84	46916	46.885	ug/l	88
21) trans-1,2-Dichloroethene	3.093	96	42059	48.601	ug/l	93
22) Diisopropyl ether	3.770	45	150282	50.294	ug/l	92
23) Vinyl Acetate	3.733	43	632276	229.606	ug/l	96
24) 1,1-Dichloroethane	3.617	63	85675	49.410	ug/l	99
25) 2-Butanone	4.568	43	214780	255.641	ug/l	93
26) 2,2-Dichloropropane	4.489	77	50774	38.395	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	50892	48.266	ug/l	99
28) Bromochloromethane	4.910	49	42162	50.286	ug/l	# 77
29) Tetrahydrofuran	5.019	42	123378	252.211	ug/l	88
30) Chloroform	5.099	83	87187	50.445	ug/l	97
31) Cyclohexane	5.477	56	62660	44.896	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	71284	48.613	ug/l	96
36) 1,1-Dichloropropene	5.702	75	60885	47.926	ug/l	97
37) Ethyl Acetate	4.727	43	73456	45.492	ug/l	95
38) Carbon Tetrachloride	5.684	117	56740	52.212	ug/l	98
39) Methylcyclohexane	7.385	83	64420	48.608	ug/l	97
40) Benzene	6.044	78	188976	49.999	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	44282	51.175	ug/l	93
42) 1,2-Dichloroethane	6.099	62	71836	51.672	ug/l	97
43) Isopropyl Acetate	6.355	43	125404	49.178	ug/l #	91
44) Trichloroethene	7.129	130	51575	58.128	ug/l	94
45) 1,2-Dichloropropane	7.440	63	51319	50.324	ug/l	100
46) Dibromomethane	7.586	93	33387	48.652	ug/l #	87
47) Bromodichloromethane	7.830	83	63634	47.799	ug/l	99
48) Methyl methacrylate	7.702	41	62850	51.341	ug/l	88
49) 1,4-Dioxane	7.665	88	24989	1072.525	ug/l #	93
51) 4-Methyl-2-Pentanone	8.580	43	437823	270.485	ug/l	90
52) Toluene	8.726	92	117391	49.904	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	68765	43.785	ug/l	98
54) cis-1,3-Dichloropropene	8.373	75	74566	44.200	ug/l	92
55) 1,1,2-Trichloroethane	9.159	97	50262	52.219	ug/l	99
56) Ethyl methacrylate	9.122	69	81903	47.179	ug/l #	83
57) 1,3-Dichloropropane	9.311	76	88454	52.840	ug/l	97
59) 2-Hexanone	9.433	43	337107	272.583	ug/l	88
60) Dibromochloromethane	9.525	129	43547	46.312	ug/l	98
61) 1,2-Dibromoethane	9.616	107	51357	53.459	ug/l	95
64) Tetrachloroethene	9.275	164	38032	51.396	ug/l	92
65) Chlorobenzene	10.080	112	121717	49.909	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	43375	49.167	ug/l	98
67) Ethyl Benzene	10.195	91	231328	51.525	ug/l	100
68) m/p-Xylenes	10.305	106	168731	103.759	ug/l	95
69) o-Xylene	10.647	106	83227	52.822	ug/l	95
70) Styrene	10.659	104	141523	48.674	ug/l	97
71) Bromoform	10.805	173	26027	45.435	ug/l #	100
73) Isopropylbenzene	10.964	105	223458	52.692	ug/l	98
74) N-amyl acetate	10.848	43	109780	48.134	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.214	83	81820	54.242	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	73468m	53.650	ug/l	
77) Bromobenzene	11.201	156	46577	51.412	ug/l	83
78) n-propylbenzene	11.305	91	266461	52.019	ug/l	97
79) 2-Chlorotoluene	11.366	91	157632	50.856	ug/l	96
80) 1,3,5-Trimethylbenzene	11.457	105	185861	52.613	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.025	75	22637	43.654	ug/l	90
82) 4-Chlorotoluene	11.457	91	180782	50.967	ug/l	95
83) tert-Butylbenzene	11.720	119	173479	52.287	ug/l	91
84) 1,2,4-Trimethylbenzene	11.756	105	185948	51.895	ug/l	97
85) sec-Butylbenzene	11.896	105	221010	51.000	ug/l	98
86) p-Isopropyltoluene	12.012	119	184510	51.575	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	87525	50.900	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	87863	49.637	ug/l	96
89) n-Butylbenzene	12.335	91	172030	50.226	ug/l	96
90) Hexachloroethane	12.543	117	27729	46.882	ug/l	71
91) 1,2-Dichlorobenzene	12.341	146	87399	52.161	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	16877	47.637	ug/l	76
93) 1,2,4-Trichlorobenzene	13.591	180	50586	50.324	ug/l	95
94) Hexachlorobutadiene	13.731	225	17935	49.754	ug/l	97
95) Naphthalene	13.780	128	209142	47.714	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	50844	51.884	ug/l	98

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

