

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083021\
 Data File : VX024026.D
 Acq On : 30 Aug 2021 19:49
 Operator : JC/MD
 Sample : M3583-03MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20210827MSD

Manual Integrations
 APPROVED

MMDadoda
 8/31/2021 5:41:27 PM

Quant Time: Aug 31 03:13:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	176590	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	289563	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	280553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	136984	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	140314	56.931	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.860%			
35) Dibromofluoromethane	5.397	113	103404	53.953	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.900%			
50) Toluene-d8	8.653	98	385308	52.822	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.640%			
62) 4-Bromofluorobenzene	11.085	95	158611	59.067	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 118.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	98149	52.679	ug/l	99
3) Chloromethane	1.294	50	104139	50.916	ug/l	98
4) Vinyl Chloride	1.374	62	103123	51.697	ug/l	97
5) Bromomethane	1.599	94	58091	46.319	ug/l	97
6) Chloroethane	1.678	64	65879	44.944	ug/l	98
7) Trichlorofluoromethane	1.886	101	172186	54.661	ug/l	98
8) Diethyl Ether	2.142	74	60594	55.082	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.331	101	99354	56.051	ug/l	97
10) Methyl Iodide	2.453	142	131480	53.272	ug/l	92
11) Tert butyl alcohol	2.983	59	153344	307.656	ug/l	98
12) 1,1-Dichloroethene	2.319	96	95281	56.222	ug/l	92
13) Acrolein	2.245	56	84859	286.100	ug/l	98
14) Allyl chloride	2.666	41	181512	58.117	ug/l	91
15) Acrylonitrile	3.075	53	318707	286.982	ug/l	97
16) Acetone	2.392	43	300224	272.434	ug/l	90
17) Carbon Disulfide	2.514	76	232801	57.595	ug/l	98
18) Methyl Acetate	2.715	43	147028	53.445	ug/l	91
19) Methyl tert-butyl Ether	3.123	73	361608	61.307	ug/l	100
20) Methylene Chloride	2.794	84	111210	52.832	ug/l	90
21) trans-1,2-Dichloroethene	3.099	96	103246	57.036	ug/l	91
22) Diisopropyl ether	3.776	45	367863	59.137	ug/l	92
23) Vinyl Acetate	3.733	43	1401959	278.607	ug/l #	93
24) 1,1-Dichloroethane	3.617	63	202340	58.447	ug/l	96
25) 2-Butanone	4.574	43	481090	288.225	ug/l	92
26) 2,2-Dichloropropane	4.489	77	140635	49.496	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	124869	57.972	ug/l	96
28) Bromochloromethane	4.910	49	86778	55.129	ug/l	90
29) Tetrahydrofuran	5.019	42	310917	287.577	ug/l	89
30) Chloroform	5.105	83	215402	58.763	ug/l	99
31) Cyclohexane	5.477	56	179486	56.684	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	190170	60.587	ug/l	97
36) 1,1-Dichloropropene	5.702	75	154338	57.555	ug/l	98
37) Ethyl Acetate	4.733	43	169031	51.280	ug/l	95
38) Carbon Tetrachloride	5.684	117	166440	59.522	ug/l	99
39) Methylcyclohexane	7.385	83	182266	55.823	ug/l	97
40) Benzene	6.050	78	441577	55.689	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	102836	57.549	ug/l	90
42) 1,2-Dichloroethane	6.098	62	185857	59.639	ug/l	94
43) Isopropyl Acetate	6.354	43	286274	55.523	ug/l	92
44) Trichloroethene	7.135	130	124308	56.751	ug/l	97
45) 1,2-Dichloropropane	7.440	63	118182	56.129	ug/l	98
46) Dibromomethane	7.586	93	83128	56.732	ug/l	98
47) Bromodichloromethane	7.830	83	159215	60.064	ug/l	99
48) Methyl methacrylate	7.702	41	150130	59.689	ug/l	85
49) 1,4-Dioxane	7.665	88	63288	1190.570	ug/l #	95
51) 4-Methyl-2-Pentanone	8.580	43	989865	296.999	ug/l	90
52) Toluene	8.720	92	290674	56.572	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	180728	52.665	ug/l	100
54) cis-1,3-Dichloropropene	8.372	75	185123	57.636	ug/l #	90
55) 1,1,2-Trichloroethane	9.159	97	120691	57.055	ug/l	99
56) Ethyl methacrylate	9.122	69	197648	54.611	ug/l #	80
57) 1,3-Dichloropropane	9.311	76	200602	57.176	ug/l	99
59) 2-Hexanone	9.433	43	792489	309.335	ug/l	87
60) Dibromochloromethane	9.525	129	125677	53.667	ug/l	99
61) 1,2-Dibromoethane	9.616	107	127950	57.256	ug/l	100
64) Tetrachloroethene	9.275	164	114328	51.021	ug/l	93
65) Chlorobenzene	10.086	112	321627	54.938	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	120859	58.003	ug/l	99
67) Ethyl Benzene	10.195	91	581599	56.890	ug/l	99
68) m/p-Xylenes	10.305	106	442755	113.703	ug/l	98
69) o-Xylene	10.646	106	221757	57.951	ug/l	98
70) Styrene	10.659	104	369848	59.327	ug/l	97
71) Bromoform	10.805	173	94833	55.778	ug/l #	99
73) Isopropylbenzene	10.963	105	585848	56.070	ug/l	100
74) N-amyl acetate	10.848	43	258801	54.809	ug/l	90
75) 1,1,2,2-Tetrachloroethane	11.213	83	191581	55.948	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	181343m	56.750	ug/l	
77) Bromobenzene	11.201	156	144339	56.088	ug/l	99
78) n-propylbenzene	11.305	91	668399	55.930	ug/l	99
79) 2-Chlorotoluene	11.366	91	415402	57.510	ug/l	100
80) 1,3,5-Trimethylbenzene	11.457	105	500206	58.255	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	60221	55.435	ug/l	90
82) 4-Chlorotoluene	11.457	91	475223	57.963	ug/l	99
83) tert-Butylbenzene	11.719	119	485855	58.261	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	498916	58.275	ug/l	99
85) sec-Butylbenzene	11.896	105	614454	58.198	ug/l	100
86) p-Isopropyltoluene	12.012	119	510254	58.721	ug/l	98
87) 1,3-Dichlorobenzene	11.975	146	259485	55.732	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	258831	55.739	ug/l	99
89) n-Butylbenzene	12.335	91	442014	56.971	ug/l	97
90) Hexachloroethane	12.542	117	87050	57.251	ug/l	93
91) 1,2-Dichlorobenzene	12.341	146	250889	55.621	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	43140	53.570	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	149757	55.165	ug/l	99
94) Hexachlorobutadiene	13.725	225	65864	54.434	ug/l	98
95) Naphthalene	13.780	128	528185	52.646	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	153393	56.735	ug/l	99

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

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