

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081621\
 Data File : VX023733.D
 Acq On : 16 Aug 2021 13:10
 Operator : JC/MD
 Sample : VX0816WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/17/2021 1:20:21 PM

Quant Time: Aug 17 06:15:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	226085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	355539	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	333146	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	159775	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	142979	50.698	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.400%
35) Dibromofluoromethane	5.391	113	111933	50.352	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.700%
50) Toluene-d8	8.653	98	414005	50.690	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.380%
62) 4-Bromofluorobenzene	11.085	95	158123	56.936	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	113.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	35922	17.270	ug/l	100
3) Chloromethane	1.294	50	41089	16.958	ug/l	99
4) Vinyl Chloride	1.374	62	43542	17.753	ug/l	99
5) Bromomethane	1.599	94	28366	19.480	ug/l	98
6) Chloroethane	1.685	64	28146	18.698	ug/l	95
7) Trichlorofluoromethane	1.886	101	74609	18.881	ug/l	100
8) Diethyl Ether	2.136	74	26918	18.456	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.331	101	43999	19.654	ug/l	96
10) Methyl Iodide	2.453	142	54016	19.258	ug/l	94
11) Tert butyl alcohol	2.977	59	59793	92.810	ug/l	98
12) 1,1-Dichloroethene	2.319	96	38873	17.499	ug/l	93
13) Acrolein	2.239	56	21084	65.388	ug/l	97
14) Allyl chloride	2.666	41	73268	18.141	ug/l	91
15) Acrylonitrile	3.068	53	137880	94.775	ug/l	98
16) Acetone	2.386	43	146093	105.602	ug/l	91
17) Carbon Disulfide	2.514	76	79076	14.436	ug/l	98
18) Methyl Acetate	2.709	43	66435	20.201	ug/l	91
19) Methyl tert-butyl Ether	3.123	73	150717	19.513	ug/l	99
20) Methylene Chloride	2.794	84	48378	17.978	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	41751	17.692	ug/l	89
22) Diisopropyl ether	3.769	45	157568	19.764	ug/l	98
23) Vinyl Acetate	3.727	43	682579	96.987	ug/l	94
24) 1,1-Dichloroethane	3.617	63	84882	19.371	ug/l	99
25) 2-Butanone	4.562	43	213246	99.288	ug/l #	88
26) 2,2-Dichloropropane	4.483	77	72508	20.231	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	52211	19.051	ug/l	95
28) Bromochloromethane	4.903	49	43840	21.437	ug/l	94
29) Tetrahydrofuran	5.019	42	127954	90.890	ug/l	90
30) Chloroform	5.105	83	89474	19.949	ug/l	99
31) Cyclohexane	5.477	56	73966	17.705	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	76881	20.057	ug/l	98
36) 1,1-Dichloropropene	5.696	75	61592	19.150	ug/l	100
37) Ethyl Acetate	4.727	43	74711	18.424	ug/l	95
38) Carbon Tetrachloride	5.684	117	64689	19.778	ug/l	99
39) Methylcyclohexane	7.385	83	76732	18.891	ug/l	96
40) Benzene	6.043	78	183427	19.235	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	42242	19.728	ug/l	91
42) 1,2-Dichloroethane	6.092	62	74475	21.122	ug/l	95
43) Isopropyl Acetate	6.348	43	123255	19.615	ug/l	92
44) Trichloroethene	7.129	130	50417	19.245	ug/l	99
45) 1,2-Dichloropropane	7.433	63	50405	19.975	ug/l	97
46) Dibromomethane	7.586	93	34442	20.123	ug/l	97
47) Bromodichloromethane	7.824	83	62704	20.334	ug/l	98
48) Methyl methacrylate	7.696	41	61021	20.968	ug/l	85
49) 1,4-Dioxane	7.665	88	24379	393.407	ug/l #	94
51) 4-Methyl-2-Pentanone	8.580	43	410310	106.756	ug/l	90
52) Toluene	8.720	92	119688	20.259	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	72982	19.799	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	77798	20.238	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	51975	21.726	ug/l	99
56) Ethyl methacrylate	9.122	69	80420	20.971	ug/l #	80
57) 1,3-Dichloropropane	9.311	76	85007	20.912	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	184937	91.037	ug/l	96
59) 2-Hexanone	9.433	43	327682	112.274	ug/l	87
60) Dibromochloromethane	9.525	129	48755	19.641	ug/l	100
61) 1,2-Dibromoethane	9.610	107	52836	20.701	ug/l	99
64) Tetrachloroethene	9.275	164	51368	19.374	ug/l	96
65) Chlorobenzene	10.079	112	137081	20.104	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	49719	19.580	ug/l	99
67) Ethyl Benzene	10.195	91	236855	20.028	ug/l	99
68) m/p-Xylenes	10.305	106	181227	39.846	ug/l	98
69) o-Xylene	10.646	106	89152	19.771	ug/l	99
70) Styrene	10.659	104	147789	20.686	ug/l	98
71) Bromoform	10.805	173	34029	18.924	ug/l #	98
73) Isopropylbenzene	10.963	105	239718	19.883	ug/l	99
74) N-amyl acetate	10.848	43	108325	19.694	ug/l	89
75) 1,1,2,2-Tetrachloroethane	11.213	83	78098	19.886	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	74596m	21.216	ug/l	
77) Bromobenzene	11.201	156	58292	20.043	ug/l	98
78) n-propylbenzene	11.305	91	274834	20.142	ug/l	100
79) 2-Chlorotoluene	11.366	91	165650	20.316	ug/l	98
80) 1,3,5-Trimethylbenzene	11.457	105	200174	20.388	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	23507	17.977	ug/l #	86
82) 4-Chlorotoluene	11.457	91	187802	20.360	ug/l	99
83) tert-Butylbenzene	11.719	119	194937	20.241	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	199254	20.402	ug/l	99
85) sec-Butylbenzene	11.896	105	252556	20.225	ug/l	99
86) p-Isopropyltoluene	12.012	119	209251	20.750	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	107895	20.053	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	107855	19.755	ug/l	99
89) n-Butylbenzene	12.335	91	184190	20.177	ug/l	97
90) Hexachloroethane	12.542	117	31354	18.600	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	103174	19.804	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15234	17.430	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	62998	19.246	ug/l	99
94) Hexachlorobutadiene	13.725	225	29220	19.892	ug/l	99
95) Naphthalene	13.780	128	210093	18.668	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	64940	19.647	ug/l	99

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

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