

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101321\
 Data File : VX024779.D
 Acq On : 13 Oct 2021 10:50
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
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 10/14/2021 2:35:56 PM

Quant Time: Oct 13 12:29:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 12:24:58 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	157708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	244230	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114731	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	34806	15.66	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	31.32%#		
35) Dibromofluoromethane	5.391	113	25852	15.93	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	31.86%#		
50) Toluene-d8	8.653	98	94675	15.85	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	31.70%#		
62) 4-Bromofluorobenzene	11.085	95	35463	15.10	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	30.20%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	36512	23.01	ug/l	99
3) Chloromethane	1.295	50	29723	19.87	ug/l	96
4) Vinyl Chloride	1.374	62	32786	20.95	ug/l	97
5) Bromomethane	1.605	94	21498	20.41	ug/l	96
6) Chloroethane	1.685	64	19959	16.72	ug/l	98
7) Trichlorofluoromethane	1.886	101	54994	19.92	ug/l	97
8) Diethyl Ether	2.136	74	17971	19.12	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	31330	20.12	ug/l	98
10) Methyl Iodide	2.453	142	35733	16.40	ug/l	99
11) Tert butyl alcohol	2.971	59	45264	80.74	ug/l	99
12) 1,1-Dichloroethene	2.319	96	28772	19.90	ug/l	91
13) Acrolein	2.239	56	15133	126.67	ug/l	99
14) Allyl chloride	2.666	41	53519	20.25	ug/l	98
15) Acrylonitrile	3.069	53	99919	98.95	ug/l	99
16) Acetone	2.386	43	123817	119.41	ug/l	96
17) Carbon Disulfide	2.514	76	70015	18.05	ug/l	97
18) Methyl Acetate	2.709	43	69763	20.96	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	106051	19.46	ug/l	98
20) Methylene Chloride	2.794	84	33849	17.90	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	31007	18.89	ug/l	98
22) Diisopropyl ether	3.770	45	108212	20.04	ug/l	99
23) Vinyl Acetate	3.727	43	424951	97.18	ug/l	100
24) 1,1-Dichloroethane	3.617	63	61533	20.52	ug/l	99
25) 2-Butanone	4.568	43	160114	104.60	ug/l	99
26) 2,2-Dichloropropane	4.483	77	54047	20.04	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	36612	19.08	ug/l	98
28) Bromochloromethane	4.910	49	21261	15.62	ug/l	100
29) Tetrahydrofuran	5.019	42	97371	99.83	ug/l	98
30) Chloroform	5.105	83	65967	19.92	ug/l	98
31) Cyclohexane	5.483	56	53036	19.93	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	60388	20.54	ug/l	100
36) 1,1-Dichloropropene	5.696	75	46235	19.75	ug/l	100
37) Ethyl Acetate	4.727	43	55109	18.85	ug/l	100
38) Carbon Tetrachloride	5.684	117	51484	20.20	ug/l	91
39) Methylcyclohexane	7.385	83	55284	20.17	ug/l	95
40) Benzene	6.044	78	135787	20.28	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	30055	19.91	ug/l	98
42) 1,2-Dichloroethane	6.099	62	57092	20.31	ug/l	99
43) Isopropyl Acetate	6.348	43	85322	19.20	ug/l	99
44) Trichloroethene	7.129	130	36622	19.88	ug/l	99
45) 1,2-Dichloropropane	7.434	63	35026	20.28	ug/l	96
46) Dibromomethane	7.586	93	25493	19.68	ug/l	98
47) Bromodichloromethane	7.824	83	47986	20.22	ug/l	96
48) Methyl methacrylate	7.696	41	41648	18.93	ug/l	98
49) 1,4-Dioxane	7.665	88	18861	374.21	ug/l	98
51) 4-Methyl-2-Pentanone	8.580	43	291476	99.35	ug/l	99
52) Toluene	8.720	92	85947	19.87	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	51467	19.13	ug/l	98
54) cis-1,3-Dichloropropene	8.373	75	54995	20.10	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	37252	20.83	ug/l	96
56) Ethyl methacrylate	9.122	69	54085	19.00	ug/l	98
57) 1,3-Dichloropropane	9.311	76	60904	20.19	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	119203	84.85	ug/l	99
59) 2-Hexanone	9.433	43	234725	101.59	ug/l	99
60) Dibromochloromethane	9.525	129	36518	20.15	ug/l	98
61) 1,2-Dibromoethane	9.616	107	39093	19.91	ug/l	100
64) Tetrachloroethene	9.275	164	36510	22.78	ug/l	96
65) Chlorobenzene	10.080	112	95364	19.77	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	36221	20.15	ug/l	98
67) Ethyl Benzene	10.195	91	166926	19.55	ug/l	99
68) m/p-Xylenes	10.305	106	130890	39.98	ug/l	97
69) o-Xylene	10.646	106	63829	19.71	ug/l	100
70) Styrene	10.659	104	105754	19.53	ug/l	99
71) Bromoform	10.805	173	25678	18.72	ug/l #	100
73) Isopropylbenzene	10.964	105	168378	20.76	ug/l	100
74) N-amyl acetate	10.848	43	70586	18.92	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	56990	19.87	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	54159m	20.79	ug/l	
77) Bromobenzene	11.201	156	41713	19.99	ug/l	99
78) n-propylbenzene	11.305	91	195113	20.58	ug/l	100
79) 2-Chlorotoluene	11.366	91	118823	20.57	ug/l	99
80) 1,3,5-Trimethylbenzene	11.457	105	147727	21.32	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	17211	19.61	ug/l	95
82) 4-Chlorotoluene	11.457	91	136805	20.13	ug/l	100
83) tert-Butylbenzene	11.719	119	139327	20.06	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	148295	21.52	ug/l	99
85) sec-Butylbenzene	11.890	105	177778	20.80	ug/l	99
86) p-Isopropyltoluene	12.012	119	147428	20.23	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	79219	19.93	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	79286	19.31	ug/l	99
89) n-Butylbenzene	12.335	91	127963	19.83	ug/l	99
90) Hexachloroethane	12.542	117	22362	18.66	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	77872	19.82	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	12878	18.59	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	47205	18.87	ug/l	100
94) Hexachlorobutadiene	13.725	225	21887	19.12	ug/l	98
95) Naphthalene	13.780	128	158769	19.83	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	48713	19.00	ug/l	100

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

