

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053122\
 Data File : VX029071.D
 Acq On : 31 May 2022 12:54
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: May 31 14:32:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 31 14:31:20 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/01/2022
 Supervised By : Mahesh Dadoda 06/01/2022

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	298540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	474256	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	436730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	223897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	64409	16.195	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	32.400%#		
35) Dibromofluoromethane	5.391	113	60269	19.310	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	38.620%#		
50) Toluene-d8	8.653	98	216879	18.605	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	37.200%#		
62) 4-Bromofluorobenzene	11.085	95	79813	18.291	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	36.580%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	54172	14.551	ug/l	99
3) Chloromethane	1.295	50	53143	14.934	ug/l	99
4) Vinyl Chloride	1.374	62	60725	15.786	ug/l	98
5) Bromomethane	1.599	94	45015	15.754	ug/l	99
6) Chloroethane	1.685	64	39576	14.583	ug/l	96
7) Trichlorofluoromethane	1.886	101	95204	15.646	ug/l	99
8) Diethyl Ether	2.136	74	35632	15.904	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	54934	16.875	ug/l	97
10) Methyl Iodide	2.453	142	55061	14.199	ug/l	98
11) Tert butyl alcohol	2.959	59	80575	87.319	ug/l	96
12) 1,1-Dichloroethene	2.319	96	52941	17.391	ug/l	94
13) Acrolein	2.233	56	36355	57.872	ug/l	98
14) Allyl chloride	2.666	41	79382	16.406	ug/l	98
15) Acrylonitrile	3.063	53	160786	83.355	ug/l	99
16) Acetone	2.380	43	134174	78.604	ug/l	97
17) Carbon Disulfide	2.514	76	143236	18.124	ug/l	99
18) Methyl Acetate	2.703	43	68297	15.968	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	180699	16.816	ug/l	98
20) Methylene Chloride	2.788	84	60576	16.704	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	59587	17.442	ug/l	91
22) Diisopropyl ether	3.764	45	161058	15.707	ug/l #	90
23) Vinyl Acetate	3.727	43	686682	78.097	ug/l	100
24) 1,1-Dichloroethane	3.611	63	99834	16.633	ug/l	100
25) 2-Butanone	4.556	43	214101	79.972	ug/l	99
26) 2,2-Dichloropropane	4.477	77	81657	17.288	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	70199	17.503	ug/l	92
28) Bromochloromethane	4.904	49	40742	15.977	ug/l	87
29) Tetrahydrofuran	5.007	42	139465	80.080	ug/l	99
30) Chloroform	5.099	83	110985	17.009	ug/l	100
31) Cyclohexane	5.477	56	85619	15.670	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	100097	17.507	ug/l	98
36) 1,1-Dichloropropene	5.696	75	78802	17.266	ug/l	98
37) Ethyl Acetate	4.715	43	79319	16.789	ug/l	99
38) Carbon Tetrachloride	5.684	117	91539	19.578	ug/l	99
39) Methylcyclohexane	7.385	83	98520	18.636	ug/l	95
40) Benzene	6.044	78	241124	18.246	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	43036	16.789	ug/l	97
42) 1,2-Dichloroethane	6.092	62	81731	16.966	ug/l	99
43) Isopropyl Acetate	6.342	43	121709	16.452	ug/l	99
44) Trichloroethene	7.129	130	71912	19.822	ug/l	99
45) 1,2-Dichloropropane	7.434	63	57325	17.454	ug/l	98
46) Dibromomethane	7.586	93	44696	18.141	ug/l	98
47) Bromodichloromethane	7.824	83	89334	19.411	ug/l	100
48) Methyl methacrylate	7.696	41	59184	16.555	ug/l	97
49) 1,4-Dioxane	7.665	88	36563	394.902	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	414695	85.042	ug/l	98
52) Toluene	8.720	92	159169	18.682	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	89926	19.318	ug/l	99
54) cis-1,3-Dichloropropene	8.373	75	97121	18.823	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	65679	18.826	ug/l	99
56) Ethyl methacrylate	9.116	69	92708	17.729	ug/l	97
57) 1,3-Dichloropropane	9.311	76	106298	18.156	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	219812	85.057	ug/l	94
59) 2-Hexanone	9.433	43	319369	84.464	ug/l	97
60) Dibromochloromethane	9.525	129	74716	21.514	ug/l	96
61) 1,2-Dibromoethane	9.610	107	70139	19.099	ug/l	99
64) Tetrachloroethene	9.275	164	65325	19.846	ug/l	99
65) Chlorobenzene	10.080	112	176210	19.107	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	68476	20.692	ug/l	98
67) Ethyl Benzene	10.195	91	298969	18.246	ug/l	97
68) m/p-Xylenes	10.305	106	242547	37.840	ug/l	98
69) o-Xylene	10.647	106	118889	18.752	ug/l	98
70) Styrene	10.659	104	200664	19.546	ug/l	98
71) Bromoform	10.799	173	58424	23.596	ug/l #	98
73) Isopropylbenzene	10.964	105	308957	18.448	ug/l	100
74) N-amyl acetate	10.848	43	96076	15.059	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.214	83	102942	17.882	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	91260m	17.720	ug/l	
77) Bromobenzene	11.201	156	77276	19.253	ug/l	95
78) n-propylbenzene	11.305	91	344514	17.907	ug/l	98
79) 2-Chlorotoluene	11.366	91	211287	17.833	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	263505	18.862	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	29741	18.654	ug/l	92
82) 4-Chlorotoluene	11.457	91	241489	17.678	ug/l	97
83) tert-Butylbenzene	11.720	119	264627	19.389	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	263637	18.822	ug/l	99
85) sec-Butylbenzene	11.890	105	314116	18.785	ug/l	98
86) p-Isopropyltoluene	12.012	119	274162	19.483	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	148002	18.859	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	148678	18.289	ug/l	98
89) n-Butylbenzene	12.335	91	215145	17.875	ug/l	98
90) Hexachloroethane	12.543	117	48469	20.942	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	147493	19.094	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	23918	19.382	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	90563	20.161	ug/l	100
94) Hexachlorobutadiene	13.725	225	39059	21.150	ug/l	95
95) Naphthalene	13.774	128	306425	19.387	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	89119	19.684	ug/l	97

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

