

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040522\
 Data File : VX027979.D
 Acq On : 05 Apr 2022 14:12
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/06/2022
 Supervised By : Mahesh Dadoda 04/06/2022

Quant Time: Apr 05 15:01:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 05 14:58:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	79596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	125618	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	114246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	19298	19.526	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	39.060%#		
35) Dibromofluoromethane	5.391	113	17064	21.181	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	42.360%#		
50) Toluene-d8	8.653	98	63248	22.196	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	44.400%#		
62) 4-Bromofluorobenzene	11.085	95	24764	20.783	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	41.560%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	17786	24.709	ug/l	99
3) Chloromethane	1.294	50	14818	23.071	ug/l	97
4) Vinyl Chloride	1.373	62	15404	23.294	ug/l	99
5) Bromomethane	1.599	94	6054	20.208	ug/l	94
6) Chloroethane	1.678	64	9680	22.030	ug/l	98
7) Trichlorofluoromethane	1.886	101	25316	22.077	ug/l	93
8) Diethyl Ether	2.136	74	8419	20.761	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	15731	21.279	ug/l	97
10) Methyl Iodide	2.453	142	17445	19.858	ug/l	96
11) Tert butyl alcohol	2.977	59	17309	91.311	ug/l	99
12) 1,1-Dichloroethene	2.318	96	14870	21.510	ug/l	96
13) Acrolein	2.233	56	15930	109.428	ug/l	99
14) Allyl chloride	2.666	41	21630	17.701	ug/l	94
15) Acrylonitrile	3.062	53	42257	94.480	ug/l	99
16) Acetone	2.379	43	35519	81.976	ug/l	98
17) Carbon Disulfide	2.514	76	38142	25.734	ug/l	99
18) Methyl Acetate	2.703	43	18600	17.236	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	47516	18.803	ug/l	100
20) Methylene Chloride	2.788	84	16576	20.436	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	15795	21.182	ug/l	94
22) Diisopropyl ether	3.763	45	43726	17.665	ug/l	91
23) Vinyl Acetate	3.721	43	188420	87.830	ug/l	95
24) 1,1-Dichloroethane	3.617	63	26430	18.808	ug/l	97
25) 2-Butanone	4.556	43	57030	87.348	ug/l	96
26) 2,2-Dichloropropane	4.477	77	20636	18.439	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	18187	20.373	ug/l	95
28) Bromochloromethane	4.903	49	9780	16.248	ug/l	85
29) Tetrahydrofuran	5.013	42	36991	87.996	ug/l	96
30) Chloroform	5.105	83	29399	18.881	ug/l	95
31) Cyclohexane	5.470	56	24467	21.235	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	25949	19.136	ug/l	99
36) 1,1-Dichloropropene	5.690	75	21235	20.726	ug/l	97
37) Ethyl Acetate	4.714	43	20980	16.757	ug/l	99
38) Carbon Tetrachloride	5.684	117	23815	21.072	ug/l	96
39) Methylcyclohexane	7.385	83	27487	22.579	ug/l	98
40) Benzene	6.043	78	63303	20.606	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	11426	17.275	ug/l	96
42) 1,2-Dichloroethane	6.092	62	22610	19.027	ug/l	97
43) Isopropyl Acetate	6.342	43	33707	17.559	ug/l	98
44) Trichloroethene	7.129	130	19649	23.065	ug/l	93
45) 1,2-Dichloropropane	7.433	63	15516	19.209	ug/l	94
46) Dibromomethane	7.580	93	12288	19.946	ug/l	98
47) Bromodichloromethane	7.824	83	22319	18.375	ug/l #	98
48) Methyl methacrylate	7.696	41	16508	16.347	ug/l	90
49) 1,4-Dioxane	7.665	88	9201	441.358	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	116114	86.703	ug/l	93
52) Toluene	8.720	92	42492	21.774	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	22057	18.127	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	25242	19.563	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	17125	19.990	ug/l	94
56) Ethyl methacrylate	9.116	69	24950	18.748	ug/l #	90
57) 1,3-Dichloropropane	9.311	76	27666	19.455	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	60427	91.628	ug/l	95
59) 2-Hexanone	9.433	43	88805	85.970	ug/l	93
60) Dibromochloromethane	9.524	129	18538	20.780	ug/l	98
61) 1,2-Dibromoethane	9.610	107	18591	20.726	ug/l	99
64) Tetrachloroethene	9.275	164	18014	22.968	ug/l	96
65) Chlorobenzene	10.079	112	47421	21.145	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	17093	20.499	ug/l	99
67) Ethyl Benzene	10.195	91	82449	20.453	ug/l	99
68) m/p-Xylenes	10.305	106	65565	43.680	ug/l	99
69) o-Xylene	10.646	106	31524	21.625	ug/l	97
70) Styrene	10.658	104	53507	21.514	ug/l	98
71) Bromoform	10.805	173	13909	22.883	ug/l #	100
73) Isopropylbenzene	10.963	105	82820	19.143	ug/l	100
74) N-amyl acetate	10.847	43	28471	15.259	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	27578	18.985	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	23855m	17.838	ug/l	
77) Bromobenzene	11.201	156	20544	20.523	ug/l	99
78) n-propylbenzene	11.305	91	95589	18.538	ug/l	98
79) 2-Chlorotoluene	11.366	91	59274	18.369	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	72308	19.259	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	6905	16.879	ug/l #	84
82) 4-Chlorotoluene	11.457	91	67528	18.240	ug/l	98
83) tert-Butylbenzene	11.719	119	68943	18.908	ug/l	92
84) 1,2,4-Trimethylbenzene	11.756	105	71902	19.192	ug/l	99
85) sec-Butylbenzene	11.890	105	87078	19.419	ug/l	99
86) p-Isopropyltoluene	12.012	119	75124	20.037	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	39793	20.188	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	39728	19.579	ug/l	97
89) n-Butylbenzene	12.335	91	62596	18.748	ug/l	96
90) Hexachloroethane	12.542	117	11576	19.203	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	40441	20.803	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6084	17.538	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	24646	20.442	ug/l	98
94) Hexachlorobutadiene	13.725	225	11566	20.574	ug/l	94
95) Naphthalene	13.780	128	84632	20.442	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	25013	21.338	ug/l	95

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

