

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071222\
 Data File : VX030014.D
 Acq On : 12 Jul 2022 12:43
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/13/2022
 Supervised By : Mahesh Dadoda 07/13/2022

Quant Time: Jul 12 13:29:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X071222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 12 13:28:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	197790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	340388	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	300719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	139839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	44727	17.864	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	35.720%#		
35) Dibromofluoromethane	5.391	113	40637	19.103	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.200%#		
50) Toluene-d8	8.653	98	156914	19.663	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.320%#		
62) 4-Bromofluorobenzene	11.079	95	52530	18.622	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	37.240%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	48081	24.928	ug/l	99
3) Chloromethane	1.288	50	44454	20.003	ug/l	98
4) Vinyl Chloride	1.374	62	49774	22.519	ug/l	98
5) Bromomethane	1.605	94	20630	16.940	ug/l	100
6) Chloroethane	1.685	64	27083	20.968	ug/l	93
7) Trichlorofluoromethane	1.886	101	62728	22.108	ug/l	97
8) Diethyl Ether	2.136	74	24708	19.427	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	41388	20.865	ug/l	97
10) Methyl Iodide	2.453	142	33403	13.891	ug/l	97
11) Tert butyl alcohol	2.977	59	58435	89.244	ug/l	99
12) 1,1-Dichloroethene	2.319	96	43276	21.245	ug/l	90
13) Acrolein	2.239	56	11828	36.160	ug/l	99
14) Allyl chloride	2.666	41	72528	19.293	ug/l	98
15) Acrylonitrile	3.068	53	146078	95.563	ug/l	99
16) Acetone	2.386	43	111646	91.148	ug/l	99
17) Carbon Disulfide	2.514	76	116179	22.938	ug/l	98
18) Methyl Acetate	2.709	43	66465	17.601	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	131408	19.108	ug/l	95
20) Methylene Chloride	2.788	84	48381	18.703	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	44847	20.073	ug/l	92
22) Diisopropyl ether	3.763	45	140508	18.496	ug/l	99
23) Vinyl Acetate	3.727	43	613906	93.437	ug/l	99
24) 1,1-Dichloroethane	3.611	63	77735	19.403	ug/l	99
25) 2-Butanone	4.562	43	193442	90.990	ug/l	96
26) 2,2-Dichloropropane	4.477	77	53776	20.451	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	51416	19.492	ug/l	98
28) Bromochloromethane	4.903	49	34570	21.529	ug/l	93
29) Tetrahydrofuran	5.013	42	132811	94.927	ug/l	99
30) Chloroform	5.092	83	76773	19.542	ug/l	97
31) Cyclohexane	5.477	56	72902	20.884	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	63294	20.233	ug/l	99
36) 1,1-Dichloropropene	5.696	75	59153	20.908	ug/l	100
37) Ethyl Acetate	4.721	43	72530	18.744	ug/l	99
38) Carbon Tetrachloride	5.684	117	53457	21.805	ug/l	96
39) Methylcyclohexane	7.385	83	78220	22.866	ug/l	96
40) Benzene	6.044	78	186494	20.385	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	40354	19.618	ug/l	98
42) 1,2-Dichloroethane	6.092	62	56342	20.066	ug/l	97
43) Isopropyl Acetate	6.348	43	110181	18.909	ug/l	100
44) Trichloroethene	7.129	130	51655	20.966	ug/l	95
45) 1,2-Dichloropropane	7.434	63	47173	19.519	ug/l	97
46) Dibromomethane	7.586	93	32002	20.242	ug/l	96
47) Bromodichloromethane	7.824	83	59888	21.133	ug/l	99
48) Methyl methacrylate	7.696	41	54030	19.557	ug/l	98
49) 1,4-Dioxane	7.671	88	28209	431.196	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	372693	96.997	ug/l	100
52) Toluene	8.720	92	116159	21.041	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	61161	20.253	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	71870	21.061	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	47525	19.760	ug/l	96
56) Ethyl methacrylate	9.116	69	72525	19.125	ug/l	98
57) 1,3-Dichloropropane	9.311	76	76586	19.793	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	201139	111.159	ug/l	98
59) 2-Hexanone	9.433	43	288483	96.747	ug/l	100
60) Dibromochloromethane	9.525	129	46062	21.676	ug/l	99
61) 1,2-Dibromoethane	9.610	107	49848	20.281	ug/l	100
64) Tetrachloroethene	9.275	164	50054	27.595	ug/l	96
65) Chlorobenzene	10.079	112	124499	20.624	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	42123	20.884	ug/l	99
67) Ethyl Benzene	10.195	91	212255	20.215	ug/l	100
68) m/p-Xylenes	10.305	106	168797	41.917	ug/l	97
69) o-Xylene	10.646	106	83345	20.433	ug/l	97
70) Styrene	10.659	104	137967	20.463	ug/l	99
71) Bromoform	10.805	173	32316	22.462	ug/l #	97
73) Isopropylbenzene	10.963	105	206646	20.422	ug/l	99
74) N-amyl acetate	10.841	43	86979	17.362	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	70582	17.718	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	65456m	19.553	ug/l	
77) Bromobenzene	11.201	156	50130	20.598	ug/l	95
78) n-propylbenzene	11.305	91	240935	20.189	ug/l	99
79) 2-Chlorotoluene	11.366	91	140837	19.850	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	171000	20.357	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	22205	21.066	ug/l	97
82) 4-Chlorotoluene	11.457	91	159896	19.781	ug/l	99
83) tert-Butylbenzene	11.719	119	162606	19.532	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	168826	20.063	ug/l	98
85) sec-Butylbenzene	11.890	105	217895	20.771	ug/l	100
86) p-Isopropyltoluene	12.012	119	172697	20.625	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	92386	19.771	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	92882	19.480	ug/l	99
89) n-Butylbenzene	12.335	91	157854	20.056	ug/l	99
90) Hexachloroethane	12.542	117	29057	21.274	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	91447	19.921	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15971	19.186	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	57870	20.802	ug/l	96
94) Hexachlorobutadiene	13.725	225	21407	20.802	ug/l	94
95) Naphthalene	13.780	128	227278	20.123	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	57905	20.332	ug/l	97

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

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