

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032922\
 Data File : VX027778.D
 Acq On : 29 Mar 2022 16:48
 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 03/30/2022
 Supervised By : Mahesh Dadoda 03/30/2022

Quant Time: Mar 29 18:02:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 29 17:59:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	71049	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	120945	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	113328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	21652	18.878	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	37.760%#		
35) Dibromofluoromethane	5.391	113	15072	18.599	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	37.200%#		
50) Toluene-d8	8.653	98	52321	17.001	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	34.000%#		
62) 4-Bromofluorobenzene	11.085	95	22431	17.759	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	35.520%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	12629	15.847	ug/l	98
3) Chloromethane	1.294	50	11840	14.526	ug/l	95
4) Vinyl Chloride	1.374	62	12517	15.920	ug/l	97
5) Bromomethane	1.599	94	5950	18.489	ug/l	98
6) Chloroethane	1.678	64	7940	15.572	ug/l	98
7) Trichlorofluoromethane	1.880	101	21538	18.017	ug/l	93
8) Diethyl Ether	2.136	74	8146	18.926	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	14721	18.423	ug/l	95
10) Methyl Iodide	2.453	142	15314	19.400	ug/l	91
11) Tert butyl alcohol	2.971	59	18271	87.091	ug/l	100
12) 1,1-Dichloroethene	2.319	96	12938	17.615	ug/l	92
13) Acrolein	2.239	56	11973	78.978	ug/l	97
14) Allyl chloride	2.660	41	23842	17.368	ug/l #	89
15) Acrylonitrile	3.062	53	44839	87.124	ug/l	99
16) Acetone	2.380	43	46206	94.402	ug/l	88
17) Carbon Disulfide	2.508	76	26124	13.702	ug/l	98
18) Methyl Acetate	2.709	43	21550	17.751	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	49904	18.408	ug/l	100
20) Methylene Chloride	2.788	84	16389	19.120	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	14442	17.629	ug/l	96
22) Diisopropyl ether	3.763	45	48409	17.678	ug/l #	84
23) Vinyl Acetate	3.727	43	205613	86.321	ug/l	97
24) 1,1-Dichloroethane	3.611	63	26700	17.278	ug/l	98
25) 2-Butanone	4.562	43	72714	95.555	ug/l	90
26) 2,2-Dichloropropane	4.477	77	23870	19.812	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	18001	19.572	ug/l	91
28) Bromochloromethane	4.897	49	12965	20.790	ug/l	84
29) Tetrahydrofuran	5.013	42	46883	102.533	ug/l #	84
30) Chloroform	5.099	83	32922	20.687	ug/l	99
31) Cyclohexane	5.470	56	24227	17.937	ug/l	88
32) 1,1,1-Trichloroethane	5.385	97	28371	20.047	ug/l	96
36) 1,1-Dichloropropene	5.696	75	22418	18.184	ug/l	95
37) Ethyl Acetate	4.714	43	28479	20.155	ug/l	94
38) Carbon Tetrachloride	5.684	117	24364	19.839	ug/l	98
39) Methylcyclohexane	7.379	83	24671	17.567	ug/l #	88
40) Benzene	6.043	78	64275	18.788	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	15295	20.604	ug/l #	87
42) 1,2-Dichloroethane	6.092	62	29042	20.059	ug/l	91
43) Isopropyl Acetate	6.342	43	44278	20.192	ug/l #	89
44) Trichloroethene	7.135	130	16908	18.832	ug/l	96
45) 1,2-Dichloropropane	7.433	63	17057	18.882	ug/l	97
46) Dibromomethane	7.586	93	12790	19.711	ug/l	88
47) Bromodichloromethane	7.824	83	24726	19.433	ug/l	95
48) Methyl methacrylate	7.696	41	22459	20.776	ug/l #	78
49) 1,4-Dioxane	7.659	88	8699	373.430	ug/l #	89
51) 4-Methyl-2-Pentanone	8.574	43	148244	98.578	ug/l	87
52) Toluene	8.720	92	39909	18.586	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	24940	19.783	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	26419	18.941	ug/l #	76
55) 1,1,2-Trichloroethane	9.153	97	18017	20.420	ug/l	96
56) Ethyl methacrylate	9.116	69	29115	20.341	ug/l #	77
57) 1,3-Dichloropropane	9.311	76	29962	18.990	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	71511	97.948	ug/l	95
59) 2-Hexanone	9.433	43	109722	93.190	ug/l	84
60) Dibromochloromethane	9.525	129	17835	20.678	ug/l	98
61) 1,2-Dibromoethane	9.610	107	18749	19.891	ug/l	98
64) Tetrachloroethene	9.275	164	16976	19.881	ug/l	94
65) Chlorobenzene	10.079	112	46106	19.293	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	17194	20.586	ug/l	99
67) Ethyl Benzene	10.195	91	81588	18.420	ug/l	98
68) m/p-Xylenes	10.305	106	62648	38.971	ug/l	93
69) o-Xylene	10.646	106	31612	19.520	ug/l	93
70) Styrene	10.659	104	53267	20.647	ug/l	96
71) Bromoform	10.805	173	12113	19.976	ug/l #	98
73) Isopropylbenzene	10.963	105	84222	19.406	ug/l	98
74) N-amyl acetate	10.841	43	35449	17.063	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	11.213	83	27542	17.952	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	25766m	17.559	ug/l	
77) Bromobenzene	11.201	156	19592	20.067	ug/l	89
78) n-propylbenzene	11.305	91	96758	18.808	ug/l	98
79) 2-Chlorotoluene	11.366	91	59694	18.346	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	73281	19.592	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	7170	16.610	ug/l #	77
82) 4-Chlorotoluene	11.457	91	69364	18.509	ug/l	97
83) tert-Butylbenzene	11.713	119	68842	19.914	ug/l	91
84) 1,2,4-Trimethylbenzene	11.756	105	72949	19.234	ug/l	97
85) sec-Butylbenzene	11.890	105	85665	19.006	ug/l	99
86) p-Isopropyltoluene	12.012	119	72097	20.225	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	37345	20.526	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	37646	19.954	ug/l	95
89) n-Butylbenzene	12.335	91	60381	17.939	ug/l	97
90) Hexachloroethane	12.542	117	10272	18.044	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	37127	21.054	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6054	16.021	ug/l	84
93) 1,2,4-Trichlorobenzene	13.591	180	20569	19.997	ug/l	98
94) Hexachlorobutadiene	13.725	225	9309	18.645	ug/l	95
95) Naphthalene	13.780	128	74850	19.724	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	20152	19.435	ug/l	98

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

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