

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010423\
 Data File : VX033612.D
 Acq On : 04 Jan 2023 11:49
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/05/2023
 Supervised By : Mahesh Dadoda 01/05/2023

Quant Time: Jan 05 04:15:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X010423W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 05 04:12:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	176990	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	259964	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	238568	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	123572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	39164	19.602	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	39.200%#		
35) Dibromofluoromethane	5.385	113	32170	18.827	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	37.660%#		
50) Toluene-d8	8.647	98	116182	19.023	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	38.040%#		
62) 4-Bromofluorobenzene	11.079	95	42824	19.782	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	39.560%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	32073	22.712	ug/l	99
3) Chloromethane	1.301	50	36319	20.217	ug/l	97
4) Vinyl Chloride	1.374	62	35338	22.178	ug/l	97
5) Bromomethane	1.618	94	17995	20.196	ug/l	92
6) Chloroethane	1.691	64	18693	20.360	ug/l	98
7) Trichlorofluoromethane	1.892	101	42601	18.898	ug/l	97
8) Diethyl Ether	2.136	74	13527	19.080	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	21193	17.778	ug/l	99
10) Methyl Iodide	2.453	142	29119	14.158	ug/l	96
11) Tert butyl alcohol	3.020	59	32937	100.545	ug/l	96
12) 1,1-Dichloroethene	2.319	96	19813	17.842	ug/l	94
13) Acrolein	2.239	56	18850	87.137	ug/l	100
14) Allyl chloride	2.666	41	55225	20.000	ug/l	99
15) Acrylonitrile	3.069	53	89511	100.824	ug/l	99
16) Acetone	2.398	43	58143	75.468	ug/l	99
17) Carbon Disulfide	2.514	76	50198	13.760	ug/l	99
18) Methyl Acetate	2.709	43	55506	20.043	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	103151	19.849	ug/l	100
20) Methylene Chloride	2.788	84	35536	17.794	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	32687	20.015	ug/l	99
22) Diisopropyl ether	3.757	45	113819	20.458	ug/l	91
23) Vinyl Acetate	3.721	43	434649	101.740	ug/l	99
24) 1,1-Dichloroethane	3.611	63	60190	19.996	ug/l	98
25) 2-Butanone	4.568	43	131906	101.173	ug/l	99
26) 2,2-Dichloropropane	4.471	77	40177	19.306	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	37979	20.051	ug/l	99
28) Bromochloromethane	4.904	49	21899	17.909	ug/l	97
29) Tetrahydrofuran	5.013	42	82484	99.688	ug/l	98
30) Chloroform	5.093	83	62233	20.237	ug/l	96
31) Cyclohexane	5.471	56	55843	20.078	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	53701	20.196	ug/l	99
36) 1,1-Dichloropropene	5.696	75	45907	19.834	ug/l	99
37) Ethyl Acetate	4.721	43	51263	17.968	ug/l	99
38) Carbon Tetrachloride	5.678	117	48337	19.734	ug/l	95
39) Methylcyclohexane	7.379	83	56134	19.424	ug/l	99
40) Benzene	6.037	78	133770	19.774	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	29116	20.704	ug/l	99
42) 1,2-Dichloroethane	6.086	62	51040	20.240	ug/l	100
43) Isopropyl Acetate	6.342	43	76704	19.383	ug/l	99
44) Trichloroethene	7.129	130	37216	19.279	ug/l	98
45) 1,2-Dichloropropane	7.427	63	34079	19.556	ug/l	100
46) Dibromomethane	7.580	93	24521	20.098	ug/l	99
47) Bromodichloromethane	7.824	83	47478	20.087	ug/l	97
48) Methyl methacrylate	7.690	41	39716	19.827	ug/l	99
49) 1,4-Dioxane	7.714	88	17163	402.822	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	258492	103.204	ug/l	99
52) Toluene	8.720	92	87989	19.783	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	46119	19.547	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	52249	19.970	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	34774	19.961	ug/l	97
56) Ethyl methacrylate	9.116	69	51755	19.900	ug/l	97
57) 1,3-Dichloropropane	9.305	76	59538	19.975	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	135255	102.238	ug/l	100
59) 2-Hexanone	9.433	43	192587	104.087	ug/l	99
60) Dibromochloromethane	9.519	129	38022	19.953	ug/l	100
61) 1,2-Dibromoethane	9.610	107	37361	20.276	ug/l	100
64) Tetrachloroethene	9.275	164	34036	19.386	ug/l	99
65) Chlorobenzene	10.079	112	95092	19.478	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	35610	19.513	ug/l	98
67) Ethyl Benzene	10.195	91	168116	19.728	ug/l	98
68) m/p-Xylenes	10.299	106	132573	39.863	ug/l	100
69) o-Xylene	10.640	106	64331	19.510	ug/l	96
70) Styrene	10.653	104	106040	19.576	ug/l	98
71) Bromoform	10.799	173	28377	19.422	ug/l #	99
73) Isopropylbenzene	10.963	105	169602	19.434	ug/l	100
74) N-amyl acetate	10.842	43	68927	19.492	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	52351	19.247	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	42625m	18.828	ug/l	
77) Bromobenzene	11.195	156	44863	19.420	ug/l	99
78) n-propylbenzene	11.305	91	193941	19.603	ug/l	99
79) 2-Chlorotoluene	11.366	91	116197	19.555	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	141809	19.737	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	12937	17.344	ug/l	90
82) 4-Chlorotoluene	11.451	91	132262	19.252	ug/l	100
83) tert-Butylbenzene	11.713	119	146500	19.543	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	142439	19.757	ug/l	98
85) sec-Butylbenzene	11.890	105	175188	19.781	ug/l	99
86) p-Isopropyltoluene	12.006	119	151485	20.017	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	80463	19.352	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	81711	20.090	ug/l	99
89) n-Butylbenzene	12.329	91	123064	19.445	ug/l	99
90) Hexachloroethane	12.536	117	23200	19.002	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	79748	20.073	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9678	19.135	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	38126	15.948	ug/l	99
94) Hexachlorobutadiene	13.725	225	20494	16.885	ug/l	99
95) Naphthalene	13.774	128	133044	17.936	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	36392	15.003	ug/l	97

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

