

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112222\
 Data File : VX032970.D
 Acq On : 22 Nov 2022 10:15
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Nov 22 11:27:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 10:04:48 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/23/2022
 Supervised By : Mahesh Dadoda 11/28/2022

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	125082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	196988	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	180400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	24635	14.174	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	28.340%#		
35) Dibromofluoromethane	5.385	113	20720	14.746	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	29.500%#		
50) Toluene-d8	8.647	98	64943	13.292	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	26.580%#		
62) 4-Bromofluorobenzene	11.079	95	27026	14.160	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	28.320%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	19588	13.578	ug/l	99
3) Chloromethane	1.294	50	20901	17.132	ug/l	96
4) Vinyl Chloride	1.374	62	23375	17.409	ug/l	100
5) Bromomethane	1.618	94	17530	16.337	ug/l	99
6) Chloroethane	1.691	64	18683	20.741	ug/l	99
7) Trichlorofluoromethane	1.892	101	46058	18.103	ug/l	99
8) Diethyl Ether	2.136	74	14994	18.186	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	24838	18.497	ug/l	98
10) Methyl Iodide	2.459	142	28476	20.403	ug/l	99
11) Tert butyl alcohol	2.995	59	20250m	80.052	ug/l	
12) 1,1-Dichloroethene	2.319	96	22354	17.820	ug/l	93
13) Acrolein	2.239	56	21548	85.328	ug/l	100
14) Allyl chloride	2.666	41	35679	17.843	ug/l	99
15) Acrylonitrile	3.069	53	55789	81.263	ug/l	99
16) Acetone	2.392	43	64886	102.720	ug/l	99
17) Carbon Disulfide	2.514	76	58810	19.683	ug/l	100
18) Methyl Acetate	2.703	43	31884	15.522	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	78014	17.695	ug/l	99
20) Methylene Chloride	2.794	84	26994	18.638	ug/l	89
21) trans-1,2-Dichloroethene	3.093	96	24789	18.155	ug/l	92
22) Diisopropyl ether	3.757	45	78917	18.246	ug/l #	85
23) Vinyl Acetate	3.721	43	307588	88.024	ug/l	100
24) 1,1-Dichloroethane	3.611	63	45452	18.270	ug/l	97
25) 2-Butanone	4.562	43	83836	85.665	ug/l	98
26) 2,2-Dichloropropane	4.471	77	35580	17.991	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	29195	18.498	ug/l	100
28) Bromochloromethane	4.904	49	19854	22.405	ug/l	98
29) Tetrahydrofuran	5.013	42	51161	81.983	ug/l	100
30) Chloroform	5.099	83	51289	18.788	ug/l	96
31) Cyclohexane	5.471	56	40030	18.996	ug/l	90
32) 1,1,1-Trichloroethane	5.385	97	45096	18.409	ug/l	99
36) 1,1-Dichloropropene	5.696	75	35737	18.264	ug/l	98
37) Ethyl Acetate	4.715	43	31873	15.649	ug/l	99
38) Carbon Tetrachloride	5.678	117	40147	18.499	ug/l	95
39) Methylcyclohexane	7.379	83	41869	18.085	ug/l	98
40) Benzene	6.037	78	103753	18.738	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	17453	16.821	ug/l	98
42) 1,2-Dichloroethane	6.086	62	41662	18.406	ug/l	100
43) Isopropyl Acetate	6.342	43	51883	16.591	ug/l	98
44) Trichloroethene	7.129	130	29200	18.733	ug/l	99
45) 1,2-Dichloropropane	7.434	63	25864	18.196	ug/l	96
46) Dibromomethane	7.580	93	19947	18.299	ug/l	99
47) Bromodichloromethane	7.824	83	39187	18.967	ug/l	96
48) Methyl methacrylate	7.696	41	27156	16.814	ug/l	99
49) 1,4-Dioxane	7.714	88	10943	355.524	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	170398	86.506	ug/l	100
52) Toluene	8.720	92	68288	18.903	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	37778	17.922	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	41638	18.468	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	27843	18.301	ug/l	98
56) Ethyl methacrylate	9.116	69	37896	17.309	ug/l	98
57) 1,3-Dichloropropane	9.311	76	44747	18.213	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	92332	87.582	ug/l	99
59) 2-Hexanone	9.427	43	130998	89.626	ug/l	98
60) Dibromochloromethane	9.519	129	29470	17.734	ug/l	98
61) 1,2-Dibromoethane	9.610	107	29181	18.102	ug/l	100
64) Tetrachloroethene	9.275	164	26166	19.817	ug/l	97
65) Chlorobenzene	10.079	112	75643	18.719	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	27319	17.963	ug/l	100
67) Ethyl Benzene	10.195	91	134791	18.653	ug/l	99
68) m/p-Xylenes	10.299	106	105604	37.635	ug/l	99
69) o-Xylene	10.640	106	51544	18.893	ug/l	98
70) Styrene	10.653	104	83819	18.486	ug/l	100
71) Bromoform	10.799	173	21144	17.584	ug/l #	99
73) Isopropylbenzene	10.963	105	135606	18.440	ug/l	100
74) N-amyl acetate	10.842	43	46477	16.727	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	40997	17.368	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	36005m	17.439	ug/l	
77) Bromobenzene	11.201	156	32654	18.113	ug/l	99
78) n-propylbenzene	11.305	91	155487	18.352	ug/l	99
79) 2-Chlorotoluene	11.366	91	94202	18.566	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	116638	18.558	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	10338	15.933	ug/l	94
82) 4-Chlorotoluene	11.457	91	111118	18.715	ug/l	100
83) tert-Butylbenzene	11.713	119	111611	17.788	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	117923	18.865	ug/l	100
85) sec-Butylbenzene	11.890	105	137350	18.192	ug/l	99
86) p-Isopropyltoluene	12.012	119	118429	18.486	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	62976	18.518	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	63380	17.965	ug/l	99
89) n-Butylbenzene	12.335	91	99880	17.920	ug/l	99
90) Hexachloroethane	12.536	117	18574	17.750	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	61437	18.322	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8143	15.734	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	37000	16.923	ug/l	99
94) Hexachlorobutadiene	13.725	225	16033	17.558	ug/l	99
95) Naphthalene	13.774	128	121340	16.655	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	37288	16.777	ug/l	100

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

