

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021723\
 Data File : VX034149.D
 Acq On : 17 Feb 2023 10:18
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Feb 17 12:15:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:12:46 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/21/2023
 Supervised By : Mahesh Dadoda 02/21/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	461145	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	780935	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	671506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	318579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	121070	19.494	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	38.980%#		
35) Dibromofluoromethane	5.385	113	99083	19.487	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.980%#		
50) Toluene-d8	8.646	98	364134	19.946	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	39.900%#		
62) 4-Bromofluorobenzene	11.079	95	136716	19.579	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	39.160%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	76379	19.168	ug/l	100
3) Chloromethane	1.294	50	107577	18.760	ug/l	99
4) Vinyl Chloride	1.373	62	97271	18.626	ug/l	99
5) Bromomethane	1.605	94	51521	22.391	ug/l	99
6) Chloroethane	1.690	64	52232	19.895	ug/l	96
7) Trichlorofluoromethane	1.885	101	133572	18.905	ug/l	100
8) Diethyl Ether	2.135	74	52784	18.544	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.330	101	89054	17.898	ug/l	94
10) Methyl Iodide	2.452	142	113300	18.702	ug/l	94
11) Tert butyl alcohol	2.952	59	136065	97.954	ug/l #	81
12) 1,1-Dichloroethene	2.318	96	92690	18.583	ug/l	97
13) Acrolein	2.233	56	56511	89.123	ug/l	96
14) Allyl chloride	2.666	41	198819	18.791	ug/l	88
15) Acrylonitrile	3.062	53	298090	98.370	ug/l	99
16) Acetone	2.373	43	292634	91.343	ug/l	92
17) Carbon Disulfide	2.513	76	268102	18.696	ug/l	99
18) Methyl Acetate	2.702	43	196512	19.824	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	331125	18.810	ug/l	95
20) Methylene Chloride	2.788	84	104600	18.121	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	99745	19.084	ug/l	92
22) Diisopropyl ether	3.757	45	368169	19.849	ug/l	96
23) Vinyl Acetate	3.720	43	1477157	99.398	ug/l	100
24) 1,1-Dichloroethane	3.611	63	191301	18.786	ug/l	99
25) 2-Butanone	4.550	43	448090	96.665	ug/l	99
26) 2,2-Dichloropropane	4.476	77	167175	18.123	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	117423	18.973	ug/l	94
28) Bromochloromethane	4.897	49	99266	21.853	ug/l	84
29) Tetrahydrofuran	5.001	42	276753	97.867	ug/l	99
30) Chloroform	5.092	83	181027	18.514	ug/l	100
31) Cyclohexane	5.470	56	175513	18.929	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	160595	18.322	ug/l	99
36) 1,1-Dichloropropene	5.690	75	139014	18.487	ug/l	98
37) Ethyl Acetate	4.708	43	164898	19.621	ug/l	99
38) Carbon Tetrachloride	5.677	117	137938	17.826	ug/l	99
39) Methylcyclohexane	7.378	83	175118	18.096	ug/l	99
40) Benzene	6.037	78	420086	18.851	ug/l	99

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41) Methacrylonitrile	4.915	41	90497	19.327	ug/l	99
42) 1,2-Dichloroethane	6.086	62	146045	18.634	ug/l	99
43) Isopropyl Acetate	6.336	43	283521	19.118	ug/l	98
44) Trichloroethene	7.128	130	105820	18.504	ug/l	90
45) 1,2-Dichloropropane	7.433	63	113435	19.122	ug/l	100
46) Dibromomethane	7.580	93	71637	18.349	ug/l	89
47) Bromodichloromethane	7.823	83	148799	18.572	ug/l	96
48) Methyl methacrylate	7.689	41	134211	19.067	ug/l	100
49) 1,4-Dioxane	7.659	88	56699	403.842	ug/l #	95
51) 4-Methyl-2-Pentanone	8.573	43	827790	101.454	ug/l	99
52) Toluene	8.720	92	256322	18.983	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	172045	18.655	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	185956	18.834	ug/l	96
55) 1,1,2-Trichloroethane	9.152	97	104777	19.224	ug/l	97
56) Ethyl methacrylate	9.116	69	177412	19.242	ug/l	97
57) 1,3-Dichloropropane	9.311	76	182930	19.291	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	402574	100.794	ug/l	94
59) 2-Hexanone	9.427	43	632635	101.739	ug/l	98
60) Dibromochloromethane	9.518	129	113641	18.870	ug/l	100
61) 1,2-Dibromoethane	9.610	107	109798	19.048	ug/l	98
64) Tetrachloroethene	9.274	164	88484	18.670	ug/l	95
65) Chlorobenzene	10.079	112	266142	19.013	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.164	131	101875	18.800	ug/l	98
67) Ethyl Benzene	10.195	91	487456	19.384	ug/l	99
68) m/p-Xylenes	10.299	106	372446	38.702	ug/l	96
69) o-Xylene	10.640	106	185759	19.389	ug/l	96
70) Styrene	10.658	104	302989	19.445	ug/l	96
71) Bromoform	10.798	173	83527	18.884	ug/l #	99
73) Isopropylbenzene	10.963	105	468057	19.278	ug/l	100
74) N-amyl acetate	10.841	43	238875	19.583	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	161564	19.455	ug/l	98
76) 1,2,3-Trichloropropane	11.237	75	155392m	15.770	ug/l	
77) Bromobenzene	11.201	156	110852	18.972	ug/l	83
78) n-propylbenzene	11.304	91	547716	19.397	ug/l	97
79) 2-Chlorotoluene	11.365	91	333505	19.261	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	392766	19.241	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	60886	19.511	ug/l	88
82) 4-Chlorotoluene	11.457	91	376842	19.109	ug/l	95
83) tert-Butylbenzene	11.713	119	398302	19.051	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	392110	18.998	ug/l	98
85) sec-Butylbenzene	11.890	105	483853	19.058	ug/l	97
86) p-Isopropyltoluene	12.012	119	393324	18.719	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	207214	18.910	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	201567	18.413	ug/l	95
89) n-Butylbenzene	12.335	91	348647	18.630	ug/l	98
90) Hexachloroethane	12.536	117	80619	18.351	ug/l	80
91) 1,2-Dichlorobenzene	12.335	146	204535	19.077	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.944	75	38664	19.524	ug/l	75
93) 1,2,4-Trichlorobenzene	13.591	180	127716	18.555	ug/l	98
94) Hexachlorobutadiene	13.725	225	50573	17.723	ug/l	99
95) Naphthalene	13.774	128	447761	19.310	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	128126	18.749	ug/l	98

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

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