

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
 Data File : VX031306.D
 Acq On : 14 Sep 2022 13:35
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/15/2022
 Supervised By : Mahesh Dadoda 09/15/2022

Quant Time: Sep 15 01:26:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 01:23:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	52260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	87172	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	98061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	29251	22.803	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	45.600%#		
35) Dibromofluoromethane	5.391	113	20724	22.117	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	44.240%#		
50) Toluene-d8	8.653	98	80176	22.810	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	45.620%#		
62) 4-Bromofluorobenzene	11.079	95	29129	22.631	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	45.260%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	11787	20.889	ug/l	98
3) Chloromethane	1.288	50	15656	18.133	ug/l	94
4) Vinyl Chloride	1.374	62	18277	20.017	ug/l	98
5) Bromomethane	1.611	94	13238	19.333	ug/l	100
6) Chloroethane	1.685	64	14028	18.152	ug/l	95
7) Trichlorofluoromethane	1.886	101	34322	20.506	ug/l	96
8) Diethyl Ether	2.136	74	14024	19.282	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	15566	19.667	ug/l	96
10) Methyl Iodide	2.453	142	15024	19.582	ug/l	99
11) Tert butyl alcohol	2.995	59	34300	111.514	ug/l	97
12) 1,1-Dichloroethene	2.319	96	13891	19.038	ug/l	98
13) Acrolein	2.239	56	14656	99.010	ug/l	93
14) Allyl chloride	2.666	41	31371	19.463	ug/l	97
15) Acrylonitrile	3.069	53	60989	103.086	ug/l	99
16) Acetone	2.392	43	54563	99.639	ug/l	99
17) Carbon Disulfide	2.508	76	27991	17.553	ug/l	100
18) Methyl Acetate	2.709	43	33988	20.931	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	68885	20.387	ug/l	99
20) Methylene Chloride	2.788	84	18682	17.764	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	16415	18.026	ug/l	92
22) Diisopropyl ether	3.764	45	69079	20.480	ug/l	97
23) Vinyl Acetate	3.721	43	289504	103.278	ug/l	98
24) 1,1-Dichloroethane	3.611	63	36495	20.617	ug/l	99
25) 2-Butanone	4.568	43	91153	100.916	ug/l	96
26) 2,2-Dichloropropane	4.471	77	33593	20.003	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	20439	19.064	ug/l	96
28) Bromochloromethane	4.897	49	17473	21.177	ug/l	94
29) Tetrahydrofuran	5.007	42	56493	100.964	ug/l	98
30) Chloroform	5.099	83	37680	20.101	ug/l	98
31) Cyclohexane	5.471	56	27497	19.953	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	33571	19.987	ug/l	98
36) 1,1-Dichloropropene	5.696	75	24799	19.336	ug/l	98
37) Ethyl Acetate	4.721	43	33909	20.119	ug/l	100
38) Carbon Tetrachloride	5.678	117	27868	19.989	ug/l	97
39) Methylcyclohexane	7.379	83	27439	19.427	ug/l	99
40) Benzene	6.044	78	75352	20.459	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	18789	20.578	ug/l	98
42) 1,2-Dichloroethane	6.092	62	31400	21.137	ug/l	97
43) Isopropyl Acetate	6.342	43	59132	20.554	ug/l	99
44) Trichloroethene	7.129	130	18433	19.630	ug/l	99
45) 1,2-Dichloropropane	7.434	63	20960	20.788	ug/l	93
46) Dibromomethane	7.580	93	14394	20.130	ug/l	100
47) Bromodichloromethane	7.824	83	30838	20.735	ug/l #	98
48) Methyl methacrylate	7.696	41	26968	20.592	ug/l	97
49) 1,4-Dioxane	7.696	88	10581	442.160	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	183254	104.793	ug/l	100
52) Toluene	8.720	92	48361	20.758	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	34773	20.777	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	35009	20.355	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	20997	20.416	ug/l	97
56) Ethyl methacrylate	9.116	69	34826	20.918	ug/l	96
57) 1,3-Dichloropropane	9.311	76	36181	20.474	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	81757	105.396	ug/l	97
59) 2-Hexanone	9.433	43	138129	103.492	ug/l	100
60) Dibromochloromethane	9.519	129	22435	20.234	ug/l	99
61) 1,2-Dibromoethane	9.610	107	22261	21.095	ug/l	99
64) Tetrachloroethene	9.275	164	17538	19.561	ug/l	99
65) Chlorobenzene	10.079	112	52512	20.219	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	20821	20.348	ug/l	97
67) Ethyl Benzene	10.195	91	96622	20.540	ug/l	97
68) m/p-Xylenes	10.305	106	72948	40.840	ug/l	95
69) o-Xylene	10.640	106	37056	20.425	ug/l	98
70) Styrene	10.659	104	61182	20.738	ug/l	98
71) Bromoform	10.799	173	15893	19.510	ug/l #	99
73) Isopropylbenzene	10.963	105	96431	20.286	ug/l	98
74) N-amyl acetate	10.842	43	47730	20.198	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	34672	20.296	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	34279m	19.363	ug/l	
77) Bromobenzene	11.201	156	21611	19.939	ug/l	90
78) n-propylbenzene	11.305	91	114140	20.460	ug/l	97
79) 2-Chlorotoluene	11.366	91	69160	20.261	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	82276	20.659	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	12243	20.888	ug/l	97
82) 4-Chlorotoluene	11.457	91	80770	20.644	ug/l	96
83) tert-Butylbenzene	11.713	119	81547	20.466	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	82343	20.803	ug/l	100
85) sec-Butylbenzene	11.890	105	104333	20.911	ug/l	98
86) p-Isopropyltoluene	12.012	119	84697	20.832	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	41195	19.935	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	42559	20.039	ug/l	98
89) n-Butylbenzene	12.335	91	74769	20.738	ug/l	98
90) Hexachloroethane	12.542	117	16377	20.170	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	42770	20.329	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8726	19.319	ug/l	88
93) 1,2,4-Trichlorobenzene	13.591	180	22707	19.932	ug/l	99
94) Hexachlorobutadiene	13.725	225	8611	19.364	ug/l	95
95) Naphthalene	13.774	128	93176	20.131	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	23167	18.990	ug/l	100

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

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