

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100322\
 Data File : VX031824.D
 Acq On : 03 Oct 2022 09:40
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: Oct 04 06:28:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 06:27:45 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/04/2022
 Supervised By : Mahesh Dadoda 10/06/2022

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	82148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126008	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	137502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90737	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	74 - 125	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	1028	0.897	ug/l	89
3) Chloromethane	1.288	50	1236	1.008	ug/l #	84
4) Vinyl Chloride	1.374	62	1522	0.994	ug/l	91
6) Chloroethane	1.691	64	1849	1.163	ug/l #	87
7) Trichlorofluoromethane	1.886	101	3372	1.090	ug/l	84
8) Diethyl Ether	2.130	74	1111	1.048	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	1469	1.094	ug/l	85
12) 1,1-Dichloroethene	2.318	96	1286	1.012	ug/l	82
14) Allyl chloride	2.660	41	1735	1.058	ug/l #	93
15) Acrylonitrile	3.068	53	3075	5.005	ug/l	92
16) Acetone	2.392	43	2598	5.444	ug/l	91
17) Carbon Disulfide	2.514	76	3904	1.123	ug/l	98
18) Methyl Acetate	2.703	43	1622	1.024	ug/l	94
19) Methyl tert-butyl Ether	3.105	73	3918	0.912	ug/l	98
20) Methylene Chloride	2.788	84	1443	0.985	ug/l	88
21) trans-1,2-Dichloroethene	3.087	96	1501	0.992	ug/l #	71
22) Diisopropyl ether	3.757	45	3395	0.966	ug/l #	75
23) Vinyl Acetate	3.721	43	11964	4.486	ug/l	98
24) 1,1-Dichloroethane	3.611	63	2382	1.014	ug/l #	93
25) 2-Butanone	4.568	43	3772	4.894	ug/l	96
26) 2,2-Dichloropropane	4.477	77	1916	0.962	ug/l	92
27) cis-1,2-Dichloroethene	4.483	96	1693	0.955	ug/l	79
28) Bromochloromethane	4.903	49	972	0.997	ug/l #	80
29) Tetrahydrofuran	5.031	42	2139	4.474	ug/l #	80
30) Chloroform	5.092	83	2538	0.899	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	2665	1.015	ug/l	95
36) 1,1-Dichloropropene	5.696	75	1901	0.944	ug/l	92
37) Ethyl Acetate	4.721	43	1487	0.942	ug/l #	70
38) Carbon Tetrachloride	5.672	117	2411	0.964	ug/l	98
39) Methylcyclohexane	7.385	83	2226	0.939	ug/l	88
40) Benzene	6.031	78	5448	0.913	ug/l	99
41) Methacrylonitrile	4.922	41	890	1.037	ug/l #	75
42) 1,2-Dichloroethane	6.074	62	2071	0.986	ug/l	97
43) Isopropyl Acetate	6.330	43	2456	0.953	ug/l	97
44) Trichloroethene	7.129	130	1892	0.985	ug/l	67
45) 1,2-Dichloropropane	7.433	63	1356	0.965	ug/l	99

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Manual Integrations APPROVED

Reviewed By : John Carlone 10/04/2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.580	93	1042	0.877	ug/l	90
47) Bromodichloromethane	7.818	83	2279	0.967	ug/l #	82
48) Methyl methacrylate	7.696	41	1025	0.889	ug/l	92
49) 1,4-Dioxane	7.714	88	621	16.829	ug/l #	82
51) 4-Methyl-2-Pentanone	8.573	43	7131	4.440	ug/l	96
52) Toluene	8.714	92	3741	0.896	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	2013	0.889	ug/l	90
54) cis-1,3-Dichloropropene	8.366	75	2189	0.883	ug/l #	76
55) 1,1,2-Trichloroethane	9.153	97	1443	0.851	ug/l	92
56) Ethyl methacrylate	9.116	69	1414	0.710	ug/l	99
57) 1,3-Dichloropropane	9.311	76	2305	0.881	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.238	63	4459	4.372	ug/l	93
59) 2-Hexanone	9.433	43	4785	4.096	ug/l	89
60) Dibromochloromethane	9.518	129	1739	0.836	ug/l	93
61) 1,2-Dibromoethane	9.610	107	1670	0.885	ug/l	96
64) Tetrachloroethene	9.275	164	1777	0.936	ug/l	94
65) Chlorobenzene	10.079	112	4320	0.928	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.165	131	1543	0.853	ug/l #	59
67) Ethyl Benzene	10.195	91	6826	0.903	ug/l	90
68) m/p-Xylenes	10.305	106	5328	1.701	ug/l	99
69) o-Xylene	10.640	106	2527	0.832	ug/l	100
70) Styrene	10.658	104	3916	0.786	ug/l	97
71) Bromoform	10.799	173	1394	0.895	ug/l #	96
73) Isopropylbenzene	10.963	105	7017	0.999	ug/l	97
74) N-amyl acetate	10.841	43	1591	0.921	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	2100	1.025	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	2018m	1.161	ug/l	
77) Bromobenzene	11.201	156	1853	0.965	ug/l	84
78) n-propylbenzene	11.305	91	7276	0.951	ug/l	99
79) 2-Chlorotoluene	11.360	91	4473	0.957	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	5295	0.899	ug/l	98
82) 4-Chlorotoluene	11.451	91	5030	0.931	ug/l	93
83) tert-Butylbenzene	11.713	119	5521	0.933	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	5204	0.883	ug/l	98
85) sec-Butylbenzene	11.890	105	6490	0.926	ug/l	96
86) p-Isopropyltoluene	12.012	119	5245	0.851	ug/l	91
87) 1,3-Dichlorobenzene	11.969	146	3339	0.935	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	3546m	0.953	ug/l	
89) n-Butylbenzene	12.329	91	4465	0.925	ug/l	95
90) Hexachloroethane	12.536	117	1103	0.986	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	3374	0.944	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	371	0.858	ug/l	72
93) 1,2,4-Trichlorobenzene	13.585	180	1902	0.876	ug/l	91
94) Hexachlorobutadiene	13.725	225	858	1.000	ug/l	94
95) Naphthalene	13.780	128	5533	0.804	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	1642	0.776	ug/l	83

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

