

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053123\
 Data File : VX035923.D
 Acq On : 31 May 2023 09:39
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/01/2023
 Supervised By : Mahesh Dadoda 06/01/2023

Quant Time: May 31 10:53:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053123W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 31 10:53:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	214011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	374765	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	326878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	150134	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	78 - 117	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	92 - 112	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	2484	0.873	ug/l	97
3) Chloromethane	1.294	50	2947	1.004	ug/l	90
4) Vinyl Chloride	1.374	62	2652	0.941	ug/l	99
6) Chloroethane	1.691	64	1743	1.107	ug/l	94
7) Trichlorofluoromethane	1.886	101	4078	0.964	ug/l	100
8) Diethyl Ether	2.136	74	1660	1.069	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	2512	1.002	ug/l	94
12) 1,1-Dichloroethene	2.319	96	2246	0.956	ug/l	82
14) Allyl chloride	2.666	41	4447	0.958	ug/l	97
15) Acrylonitrile	3.075	53	7329	4.838	ug/l	93
16) Acetone	2.386	43	8835	5.754	ug/l	93
17) Carbon Disulfide	2.514	76	5780	1.062	ug/l #	91
18) Methyl Acetate	2.703	43	5399	0.911	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	7843	0.866	ug/l	95
20) Methylene Chloride	2.788	84	3065	0.866	ug/l #	90
21) trans-1,2-Dichloroethene	3.093	96	2607	1.006	ug/l	88
22) Diisopropyl ether	3.757	45	8414	0.903	ug/l	93
23) Vinyl Acetate	3.727	43	27348	4.211	ug/l	98
24) 1,1-Dichloroethane	3.611	63	4593	0.893	ug/l #	93
25) 2-Butanone	4.568	43	10470	4.714	ug/l	96
26) 2,2-Dichloropropane	4.465	77	3545	0.894	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	3042	1.009	ug/l	94
28) Bromochloromethane	4.897	49	2451	0.983	ug/l #	94
29) Tetrahydrofuran	5.013	42	6403	4.456	ug/l	97
30) Chloroform	5.092	83	5094	0.965	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	4116	0.902	ug/l #	52
36) 1,1-Dichloropropene	5.702	75	3708	0.949	ug/l	99
37) Ethyl Acetate	4.721	43	3957	0.935	ug/l	94
38) Carbon Tetrachloride	5.684	117	3392	0.921	ug/l	97
39) Methylcyclohexane	7.373	83	3886	0.871	ug/l #	88
40) Benzene	6.044	78	10411	0.951	ug/l	92
41) Methacrylonitrile	4.928	41	2091	0.868	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	3937	0.851	ug/l	99
43) Isopropyl Acetate	6.348	43	5860	0.864	ug/l	96
44) Trichloroethene	7.135	130	2818	1.033	ug/l	72
45) 1,2-Dichloropropane	7.434	63	2754	0.954	ug/l	100

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46) Dibromomethane	7.580	93	1855	0.936	ug/l	95
47) Bromodichloromethane	7.824	83	3208	0.868	ug/l #	91
48) Methyl methacrylate	7.690	41	2774	0.797	ug/l	98
49) 1,4-Dioxane	7.708	88	1554	20.921	ug/l	89
51) 4-Methyl-2-Pentanone	8.574	43	18041	4.274	ug/l	99
52) Toluene	8.720	92	6345	0.923	ug/l	92
53) t-1,3-Dichloropropene	8.982	75	3162	0.829	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	3635	0.873	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	2761	1.013	ug/l	92
56) Ethyl methacrylate	9.116	69	3409	0.794	ug/l	96
57) 1,3-Dichloropropane	9.311	76	4719	0.954	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	10083	4.440	ug/l	96
59) 2-Hexanone	9.433	43	13398	4.199	ug/l	98
60) Dibromochloromethane	9.518	129	2412	0.967	ug/l	93
61) 1,2-Dibromoethane	9.610	107	2548	0.888	ug/l	98
64) Tetrachloroethene	9.269	164	2295	1.037	ug/l	93
65) Chlorobenzene	10.079	112	7144	1.027	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	2096	0.878	ug/l #	61
67) Ethyl Benzene	10.195	91	12665	0.981	ug/l	96
68) m/p-Xylenes	10.299	106	9220	1.930	ug/l	100
69) o-Xylene	10.640	106	4640	0.978	ug/l	98
70) Styrene	10.652	104	6680	0.857	ug/l	94
71) Bromoform	10.805	173	1344	0.871	ug/l #	93
73) Isopropylbenzene	10.963	105	11689	0.960	ug/l	97
74) N-amyl acetate	10.848	43	4377	0.826	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	4084	1.026	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	3632m	0.969	ug/l	
77) Bromobenzene	11.195	156	2916	1.062	ug/l	89
78) n-propylbenzene	11.305	91	12442	0.877	ug/l	94
79) 2-Chlorotoluene	11.366	91	8825	0.981	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	9179	0.885	ug/l	98
82) 4-Chlorotoluene	11.457	91	9964	0.973	ug/l	97
83) tert-Butylbenzene	11.713	119	8863	0.890	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	9763	0.940	ug/l	99
85) sec-Butylbenzene	11.890	105	9987	0.802	ug/l	96
86) p-Isopropyltoluene	12.006	119	8573	0.824	ug/l	89
87) 1,3-Dichlorobenzene	11.969	146	4951	0.944	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	6102	1.130	ug/l	85
89) n-Butylbenzene	12.335	91	7414	0.811	ug/l	98
90) Hexachloroethane	12.536	117	1322	0.878	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	5160	0.997	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.951	75	711	0.854	ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	2873	0.944	ug/l	95
94) Hexachlorobutadiene	13.719	225	1347	1.103	ug/l	92
95) Naphthalene	13.774	128	9274	0.877	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	2939	0.969	ug/l	98

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

