

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090823\
 Data File : VX037598.D
 Acq On : 08 Sep 2023 11:54
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/09/2023
 Supervised By : Mahesh Dadoda 09/11/2023

Quant Time: Sep 09 04:01:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090823W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 09 03:56:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	137685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	245551	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	113984	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	39549	21.279	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	42.560%#		
35) Dibromofluoromethane	5.391	113	34295	19.968	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.940%#		
50) Toluene-d8	8.653	98	126060	20.012	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	40.020%#		
62) 4-Bromofluorobenzene	11.079	95	47557	20.032	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	40.060%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	28327	20.272	ug/l	98
3) Chloromethane	1.307	50	32760	20.943	ug/l	97
4) Vinyl Chloride	1.374	62	32727	20.309	ug/l	95
5) Bromomethane	1.599	94	15146	21.211	ug/l	98
6) Chloroethane	1.678	64	17361m	20.110	ug/l	
7) Trichlorofluoromethane	1.880	101	46726	21.335	ug/l	99
8) Diethyl Ether	2.136	74	20779	21.346	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.325	101	27916	19.057	ug/l	93
10) Methyl Iodide	2.447	142	40496	21.315	ug/l	92
11) Tert butyl alcohol	2.965	59	43260	104.018	ug/l #	92
12) 1,1-Dichloroethene	2.313	96	29118	19.694	ug/l	83
13) Acrolein	2.239	56	44618	109.121	ug/l	99
14) Allyl chloride	2.660	41	43939	21.193	ug/l #	86
15) Acrylonitrile	3.062	53	97605	107.646	ug/l	98
16) Acetone	2.380	43	78698	102.966	ug/l #	82
17) Carbon Disulfide	2.508	76	68322	18.450	ug/l	97
18) Methyl Acetate	2.703	43	67182	21.665	ug/l #	86
19) Methyl tert-butyl Ether	3.117	73	111801	21.328	ug/l	98
20) Methylene Chloride	2.788	84	38645	21.341	ug/l #	83
21) trans-1,2-Dichloroethene	3.087	96	33331	20.181	ug/l	88
22) Diisopropyl ether	3.757	45	95084	21.657	ug/l #	94
23) Vinyl Acetate	3.721	43	344532	109.926	ug/l #	91
24) 1,1-Dichloroethane	3.611	63	60159	21.027	ug/l	97
25) 2-Butanone	4.562	43	123212	106.294	ug/l #	85
26) 2,2-Dichloropropane	4.477	77	43413	20.583	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	40886	20.773	ug/l	85
28) Bromochloromethane	4.904	49	28223	22.599	ug/l #	71
29) Tetrahydrofuran	5.007	42	80642	108.594	ug/l #	81
30) Chloroform	5.092	83	65555	21.355	ug/l	99
31) Cyclohexane	5.470	56	44430	19.647	ug/l	87
32) 1,1,1-Trichloroethane	5.379	97	54682	20.682	ug/l	95
36) 1,1-Dichloropropene	5.696	75	42696	18.817	ug/l	96
37) Ethyl Acetate	4.721	43	47502	20.419	ug/l #	91
38) Carbon Tetrachloride	5.672	117	44801	19.105	ug/l	99
39) Methylcyclohexane	7.379	83	50400	18.217	ug/l	89
40) Benzene	6.037	78	142544	20.418	ug/l	98

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41) Methacrylonitrile	4.922	41	24649	20.799	ug/l #	83
42) 1,2-Dichloroethane	6.092	62	49043	20.979	ug/l	92
43) Isopropyl Acetate	6.342	43	72434	20.788	ug/l #	90
44) Trichloroethene	7.129	130	37476	19.542	ug/l	94
45) 1,2-Dichloropropane	7.434	63	35608	20.827	ug/l	97
46) Dibromomethane	7.586	93	26636	20.758	ug/l	91
47) Bromodichloromethane	7.824	83	47953	20.452	ug/l	98
48) Methyl methacrylate	7.696	41	35173	21.091	ug/l #	77
49) 1,4-Dioxane	7.665	88	23194	443.266	ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	239085	107.888	ug/l	88
52) Toluene	8.720	92	92816	20.469	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	48340	19.856	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	55295	20.414	ug/l #	83
55) 1,1,2-Trichloroethane	9.153	97	39810	21.115	ug/l	98
56) Ethyl methacrylate	9.116	69	57975	21.105	ug/l #	80
57) 1,3-Dichloropropane	9.311	76	65250	20.767	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	147991	106.479	ug/l	91
59) 2-Hexanone	9.433	43	184140	108.947	ug/l	85
60) Dibromochloromethane	9.525	129	38479	20.498	ug/l	100
61) 1,2-Dibromoethane	9.610	107	42389	20.996	ug/l	100
64) Tetrachloroethene	9.275	164	30011	18.616	ug/l	96
65) Chlorobenzene	10.079	112	100476	19.864	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	36825	20.543	ug/l	98
67) Ethyl Benzene	10.195	91	170351	19.813	ug/l	98
68) m/p-Xylenes	10.299	106	137020	40.512	ug/l	95
69) o-Xylene	10.640	106	67865	20.180	ug/l	97
70) Styrene	10.659	104	112135	20.509	ug/l	96
71) Bromoform	10.799	173	26690	19.656	ug/l #	98
73) Isopropylbenzene	10.963	105	171701	20.054	ug/l	99
74) N-amyl acetate	10.841	43	62991	21.343	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	11.213	83	63174	21.233	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	55596m	20.791	ug/l	
77) Bromobenzene	11.201	156	43701	20.621	ug/l	91
78) n-propylbenzene	11.305	91	189245	19.875	ug/l	98
79) 2-Chlorotoluene	11.366	91	123810	20.464	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	148030	20.384	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	15583	19.773	ug/l	89
82) 4-Chlorotoluene	11.457	91	138768	20.342	ug/l	97
83) tert-Butylbenzene	11.713	119	149267	20.387	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	149477	20.587	ug/l	97
85) sec-Butylbenzene	11.890	105	175297	19.861	ug/l	99
86) p-Isopropyltoluene	12.012	119	148886	19.918	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	79828	19.797	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	80492	19.622	ug/l	100
89) n-Butylbenzene	12.335	91	115509	18.807	ug/l	98
90) Hexachloroethane	12.542	117	24811	19.533	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	81889	20.388	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	13356	21.083	ug/l	78
93) 1,2,4-Trichlorobenzene	13.591	180	46072	18.964	ug/l	98
94) Hexachlorobutadiene	13.725	225	19665	18.338	ug/l	98
95) Naphthalene	13.774	128	173218	20.411	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	48462	19.312	ug/l	100

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

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