

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090123\
 Data File : VX037472.D
 Acq On : 01 Sep 2023 18:07
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 02 04:33:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/02/2023
 Supervised By : Semsettin Yesilyurt 09/04/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	136633	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	235035	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	98080	49.792	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 99.580%			
35) Dibromofluoromethane	5.385	113	86582	55.623	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.240%			
50) Toluene-d8	8.647	98	297442	52.679	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.360%			
62) 4-Bromofluorobenzene	11.079	95	120132	54.140	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.280%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	78774	49.632	ug/l	99
3) Chloromethane	1.294	50	72773	52.410	ug/l	96
4) Vinyl Chloride	1.374	62	79927	52.883	ug/l	98
5) Bromomethane	1.599	94	37857	50.285	ug/l	96
6) Chloroethane	1.678	64	51833	58.279	ug/l	98
7) Trichlorofluoromethane	1.886	101	128671	51.971	ug/l	99
8) Diethyl Ether	2.136	74	50938	53.179	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.325	101	74975	51.910	ug/l	96
10) Methyl Iodide	2.453	142	96985	55.249	ug/l	93
11) Tert butyl alcohol	2.965	59	103582	224.169	ug/l #	92
12) 1,1-Dichloroethene	2.318	96	71781	51.035	ug/l	82
13) Acrolein	2.233	56	66207	188.346	ug/l	98
14) Allyl chloride	2.660	41	108654	49.910	ug/l #	89
15) Acrylonitrile	3.062	53	217770	264.047	ug/l	99
16) Acetone	2.379	43	175279	227.455	ug/l #	89
17) Carbon Disulfide	2.507	76	153481	42.900	ug/l	100
18) Methyl Acetate	2.703	43	146295	50.421	ug/l #	86
19) Methyl tert-butyl Ether	3.111	73	276818	51.894	ug/l	98
20) Methylene Chloride	2.788	84	86278	50.065	ug/l #	83
21) trans-1,2-Dichloroethene	3.093	96	78965	49.388	ug/l	86
22) Diisopropyl ether	3.763	45	232213	51.981	ug/l #	78
23) Vinyl Acetate	3.721	43	863562	252.256	ug/l #	90
24) 1,1-Dichloroethane	3.611	63	145158	51.816	ug/l	96
25) 2-Butanone	4.556	43	282431	243.411	ug/l #	86
26) 2,2-Dichloropropane	4.477	77	116624	46.615	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	98639	52.331	ug/l	87
28) Bromochloromethane	4.897	49	62770	50.158	ug/l #	71
29) Tetrahydrofuran	5.007	42	180224	243.559	ug/l #	81
30) Chloroform	5.092	83	160215	50.947	ug/l	97
31) Cyclohexane	5.470	56	113137	51.080	ug/l	86
32) 1,1,1-Trichloroethane	5.385	97	143735	51.005	ug/l	96
36) 1,1-Dichloropropene	5.690	75	109378	49.459	ug/l	97
37) Ethyl Acetate	4.708	43	111316	49.276	ug/l #	92
38) Carbon Tetrachloride	5.678	117	122135	50.841	ug/l	99
39) Methylcyclohexane	7.379	83	133512	57.462	ug/l	89
40) Benzene	6.037	78	335270	52.861	ug/l	97

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41) Methacrylonitrile	4.916	41	59316	50.509	ug/l #	86
42) 1,2-Dichloroethane	6.086	62	120474	48.437	ug/l	93
43) Isopropyl Acetate	6.342	43	179057	49.925	ug/l #	90
44) Trichloroethene	7.129	130	91163	50.690	ug/l	93
45) 1,2-Dichloropropane	7.433	63	83842	53.612	ug/l	98
46) Dibromomethane	7.580	93	63528	51.565	ug/l	92
47) Bromodichloromethane	7.824	83	122446	51.890	ug/l	99
48) Methyl methacrylate	7.696	41	87274	49.898	ug/l #	82
49) 1,4-Dioxane	7.665	88	45319	962.079	ug/l #	87
51) 4-Methyl-2-Pentanone	8.573	43	555756	255.189	ug/l	88
52) Toluene	8.720	92	219115	52.287	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	129684	51.614	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	141033	51.943	ug/l #	83
55) 1,1,2-Trichloroethane	9.153	97	93993	55.082	ug/l	98
56) Ethyl methacrylate	9.116	69	143327	53.623	ug/l #	82
57) 1,3-Dichloropropane	9.311	76	152228	52.919	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	324453	252.949	ug/l	91
59) 2-Hexanone	9.433	43	422384	254.366	ug/l	86
60) Dibromochloromethane	9.524	129	97865	53.866	ug/l	100
61) 1,2-Dibromoethane	9.610	107	98801	52.883	ug/l	100
64) Tetrachloroethene	9.275	164	72028	45.249	ug/l	98
65) Chlorobenzene	10.079	112	237756	51.554	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	92487	54.337	ug/l	99
67) Ethyl Benzene	10.195	91	419003	51.633	ug/l	99
68) m/p-Xylenes	10.299	106	327694	104.568	ug/l	97
69) o-Xylene	10.640	106	163950	53.027	ug/l	97
70) Styrene	10.652	104	271589	53.326	ug/l	97
71) Bromoform	10.799	173	68913	54.126	ug/l #	99
73) Isopropylbenzene	10.963	105	429130	52.997	ug/l	98
74) N-amyl acetate	10.841	43	157112	49.936	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.213	83	143477	52.614	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	118604m	49.991	ug/l	
77) Bromobenzene	11.195	156	101529	51.340	ug/l	91
78) n-propylbenzene	11.305	91	479011	53.127	ug/l	98
79) 2-Chlorotoluene	11.366	91	295772	51.333	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	362997	53.741	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	41532	48.894	ug/l	85
82) 4-Chlorotoluene	11.451	91	336389	50.576	ug/l	98
83) tert-Butylbenzene	11.713	119	369693	57.390	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	362776	53.143	ug/l	97
85) sec-Butylbenzene	11.890	105	451845	60.052	ug/l	99
86) p-Isopropyltoluene	12.006	119	380523	58.748	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	191496	51.722	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	191024	49.938	ug/l	98
89) n-Butylbenzene	12.329	91	318664	59.340	ug/l	99
90) Hexachloroethane	12.536	117	66085	61.127	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	194435	53.630	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	33160	52.334	ug/l	77
93) 1,2,4-Trichlorobenzene	13.585	180	124300	58.595	ug/l	98
94) Hexachlorobutadiene	13.725	225	53053	64.736	ug/l	99
95) Naphthalene	13.774	128	449223	48.343	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	125062	59.339	ug/l	99

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

