

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022323\
 Data File : VX034253.D
 Acq On : 23 Feb 2023 17:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/24/2023
 Supervised By : Mahesh Dadoda 02/24/2023

Quant Time: Feb 23 21:48:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	308336	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	493867	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	453559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	237339	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	183780	44.257	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.520%		
35) Dibromofluoromethane	5.385	113	158890	49.413	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.820%		
50) Toluene-d8	8.647	98	601499	52.101	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.200%		
62) 4-Bromofluorobenzene	11.079	95	240280	54.411	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	136451	51.213	ug/l	99
3) Chloromethane	1.301	50	184801	48.199	ug/l	98
4) Vinyl Chloride	1.374	62	194959	55.833	ug/l	97
5) Bromomethane	1.599	94	82025	63.785	ug/l	95
6) Chloroethane	1.679	64	107416	61.191	ug/l	100
7) Trichlorofluoromethane	1.886	101	286541	60.656	ug/l	97
8) Diethyl Ether	2.136	74	106110	55.754	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	160171	48.144	ug/l	94
10) Methyl Iodide	2.453	142	179804	44.388	ug/l	93
11) Tert butyl alcohol	2.959	59	198080	213.270	ug/l #	85
12) 1,1-Dichloroethene	2.319	96	152593	45.755	ug/l	90
13) Acrolein	2.233	56	93162	219.739	ug/l	100
14) Allyl chloride	2.660	41	301953	42.683	ug/l	89
15) Acrylonitrile	3.063	53	476209	235.032	ug/l	99
16) Acetone	2.380	43	467969	218.463	ug/l	91
17) Carbon Disulfide	2.514	76	393439	41.033	ug/l	100
18) Methyl Acetate	2.703	43	313334	47.273	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	550318	46.754	ug/l	98
20) Methylene Chloride	2.788	84	174067	45.099	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	163480	46.781	ug/l	98
22) Diisopropyl ether	3.758	45	612799	49.410	ug/l	96
23) Vinyl Acetate	3.721	43	2365398	238.050	ug/l	100
24) 1,1-Dichloroethane	3.611	63	312738	45.933	ug/l	99
25) 2-Butanone	4.550	43	704981	227.455	ug/l	99
26) 2,2-Dichloropropane	4.471	77	274337	44.479	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	197124	47.635	ug/l	97
28) Bromochloromethane	4.898	49	149212	49.127	ug/l	88
29) Tetrahydrofuran	5.001	42	440049	232.734	ug/l	99
30) Chloroform	5.093	83	315402	48.242	ug/l	98
31) Cyclohexane	5.471	56	291438	47.008	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	273313	46.634	ug/l	99
36) 1,1-Dichloropropene	5.690	75	234672	49.347	ug/l	98
37) Ethyl Acetate	4.709	43	265355	49.928	ug/l	99
38) Carbon Tetrachloride	5.672	117	239995	49.044	ug/l	99
39) Methylcyclohexane	7.379	83	302021	49.352	ug/l	99
40) Benzene	6.038	78	704923	50.021	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	145258	49.055	ug/l	98
42) 1,2-Dichloroethane	6.086	62	240280	48.478	ug/l	100
43) Isopropyl Acetate	6.336	43	458079	48.843	ug/l	99
44) Trichloroethene	7.123	130	186592	51.595	ug/l	97
45) 1,2-Dichloropropane	7.428	63	188125	50.145	ug/l	100
46) Dibromomethane	7.580	93	124403	50.386	ug/l	89
47) Bromodichloromethane	7.818	83	244469	48.248	ug/l	96
48) Methyl methacrylate	7.690	41	214628	48.215	ug/l	97
49) 1,4-Dioxane	7.653	88	88461	996.307	ug/l #	99
51) 4-Methyl-2-Pentanone	8.574	43	1387096	268.819	ug/l	99
52) Toluene	8.714	92	451523	52.877	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	292764	50.196	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	308170	49.356	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	184776	53.609	ug/l	99
56) Ethyl methacrylate	9.116	69	304962	52.302	ug/l	98
57) 1,3-Dichloropropane	9.305	76	313271	52.239	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	644039	254.980	ug/l	95
59) 2-Hexanone	9.427	43	1078072	274.149	ug/l	98
60) Dibromochloromethane	9.519	129	201308	52.858	ug/l	100
61) 1,2-Dibromoethane	9.610	107	194797	53.438	ug/l	99
64) Tetrachloroethene	9.275	164	157385	49.166	ug/l	96
65) Chlorobenzene	10.080	112	488696	51.690	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	183792	50.216	ug/l	98
67) Ethyl Benzene	10.195	91	884972	52.102	ug/l	99
68) m/p-Xylenes	10.299	106	692767	106.578	ug/l	97
69) o-Xylene	10.640	106	345424	53.379	ug/l	99
70) Styrene	10.653	104	575047	54.639	ug/l	97
71) Bromoform	10.799	173	153085	51.241	ug/l #	99
73) Isopropylbenzene	10.964	105	893204	49.380	ug/l	100
74) N-amyl acetate	10.842	43	436762	48.063	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.214	83	298823	48.301	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	282524m	47.307	ug/l	
77) Bromobenzene	11.195	156	214869	49.362	ug/l	85
78) n-propylbenzene	11.305	91	1064903	50.621	ug/l	97
79) 2-Chlorotoluene	11.366	91	631966	48.992	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	764674	50.282	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	105004	45.168	ug/l	91
82) 4-Chlorotoluene	11.451	91	749523	51.015	ug/l	96
83) tert-Butylbenzene	11.713	119	764874	49.108	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	770703	50.122	ug/l	97
85) sec-Butylbenzene	11.890	105	963049	50.916	ug/l	98
86) p-Isopropyltoluene	12.006	119	805034	51.428	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	417854	51.185	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	420840	51.109	ug/l	97
89) n-Butylbenzene	12.329	91	733168	52.587	ug/l	98
90) Hexachloroethane	12.536	117	155327	47.459	ug/l	80
91) 1,2-Dichlorobenzene	12.335	146	408063	51.089	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	63988	43.373	ug/l	81
93) 1,2,4-Trichlorobenzene	13.591	180	254588	49.647	ug/l	97
94) Hexachlorobutadiene	13.725	225	105624	49.686	ug/l	98
95) Naphthalene	13.774	128	855649	49.532	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	251900	49.480	ug/l	98

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

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