

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111522\
 Data File : VX032810.D
 Acq On : 15 Nov 2022 10:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/16/2022
 Supervised By : Mahesh Dadoda 11/16/2022

Quant Time: Nov 16 03:31:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	88213	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	137707	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	126003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59805	48.793	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.580%		
35) Dibromofluoromethane	5.379	113	49697	50.594	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.180%		
50) Toluene-d8	8.647	98	163029	47.731	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.460%		
62) 4-Bromofluorobenzene	11.079	95	67967	50.942	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.880%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	47081	46.275	ug/l	96
3) Chloromethane	1.295	50	38035	44.205	ug/l	99
4) Vinyl Chloride	1.374	62	43232	45.655	ug/l	99
5) Bromomethane	1.618	94	39403	52.069	ug/l	99
6) Chloroethane	1.691	64	45384	71.441	ug/l	99
7) Trichlorofluoromethane	1.886	101	91064	50.753	ug/l	99
8) Diethyl Ether	2.130	74	30711	52.818	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	50690	53.527	ug/l	99
10) Methyl Iodide	2.453	142	53747	50.987	ug/l	99
11) Tert butyl alcohol	2.995	59	40133m	224.962	ug/l	
12) 1,1-Dichloroethene	2.319	96	43932	49.660	ug/l	94
13) Acrolein	2.239	56	45610	256.097	ug/l	99
14) Allyl chloride	2.660	41	73551	52.156	ug/l	99
15) Acrylonitrile	3.063	53	116114	239.824	ug/l	100
16) Acetone	2.386	43	132367	297.131	ug/l	99
17) Carbon Disulfide	2.514	76	94353	44.778	ug/l	100
18) Methyl Acetate	2.703	43	78779	54.380	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	172392	55.444	ug/l	99
20) Methylene Chloride	2.788	84	52768	51.662	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	47807	49.646	ug/l	100
22) Diisopropyl ether	3.751	45	173457	56.866	ug/l #	86
23) Vinyl Acetate	3.715	43	642827	260.847	ug/l	100
24) 1,1-Dichloroethane	3.605	63	94984	54.137	ug/l	99
25) 2-Butanone	4.556	43	175309	254.004	ug/l	100
26) 2,2-Dichloropropane	4.471	77	80083	57.420	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	62345	56.012	ug/l	99
28) Bromochloromethane	4.898	49	30414	48.666	ug/l	99
29) Tetrahydrofuran	5.001	42	103467	235.097	ug/l	100
30) Chloroform	5.093	83	109141	56.690	ug/l	100
31) Cyclohexane	5.471	56	74297	49.993	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	96970	56.129	ug/l	99
36) 1,1-Dichloropropene	5.690	75	71525	52.289	ug/l	99
37) Ethyl Acetate	4.709	43	67409	47.344	ug/l	99
38) Carbon Tetrachloride	5.678	117	86866	57.256	ug/l	98
39) Methylcyclohexane	7.379	83	82663	51.077	ug/l	97
40) Benzene	6.031	78	209966	54.243	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	38931	53.674	ug/l	98
42) 1,2-Dichloroethane	6.086	62	89885	56.806	ug/l	100
43) Isopropyl Acetate	6.336	43	113995	52.144	ug/l	99
44) Trichloroethene	7.123	130	58721	53.889	ug/l	100
45) 1,2-Dichloropropane	7.428	63	55662	56.018	ug/l	97
46) Dibromomethane	7.580	93	42652	55.971	ug/l	99
47) Bromodichloromethane	7.818	83	88195	61.065	ug/l	98
48) Methyl methacrylate	7.690	41	58302	51.637	ug/l	100
49) 1,4-Dioxane	7.708	88	18309	850.903	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	349841	254.060	ug/l	100
52) Toluene	8.714	92	141265	55.937	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	88640	60.152	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	93163	59.109	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	61319	57.654	ug/l	98
56) Ethyl methacrylate	9.116	69	86589	56.574	ug/l	99
57) 1,3-Dichloropropane	9.305	76	97266	56.631	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	201815	273.841	ug/l	99
59) 2-Hexanone	9.427	43	263784	258.168	ug/l	100
60) Dibromochloromethane	9.519	129	72261	62.203	ug/l	99
61) 1,2-Dibromoethane	9.610	107	63971	56.765	ug/l	99
64) Tetrachloroethene	9.275	164	51164	55.477	ug/l	97
65) Chlorobenzene	10.080	112	158012	55.982	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	64694	60.901	ug/l	98
67) Ethyl Benzene	10.195	91	286911	56.844	ug/l	99
68) m/p-Xylenes	10.299	106	221313	112.919	ug/l	100
69) o-Xylene	10.640	106	109523	57.475	ug/l	100
70) Styrene	10.653	104	186095	58.762	ug/l	99
71) Bromoform	10.799	173	52293	62.262	ug/l #	99
73) Isopropylbenzene	10.964	105	300666	53.839	ug/l	100
74) N-amyl acetate	10.842	43	103750	49.169	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	90342	50.398	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	83183m	53.054	ug/l	
77) Bromobenzene	11.195	156	73383	53.599	ug/l	99
78) n-propylbenzene	11.305	91	344853	53.597	ug/l	100
79) 2-Chlorotoluene	11.366	91	208692	54.159	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	259272	54.322	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	26105	52.980	ug/l	99
82) 4-Chlorotoluene	11.451	91	243739	54.058	ug/l	98
83) tert-Butylbenzene	11.713	119	254601	53.430	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	257369	54.216	ug/l	100
85) sec-Butylbenzene	11.890	105	316412	55.184	ug/l	100
86) p-Isopropyltoluene	12.006	119	270867	55.674	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	140364	54.350	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	143105	53.412	ug/l	99
89) n-Butylbenzene	12.329	91	233196	55.095	ug/l	100
90) Hexachloroethane	12.536	117	45709	57.518	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	138706	54.469	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18373	46.747	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	87792	52.873	ug/l	99
94) Hexachlorobutadiene	13.725	225	38708	55.819	ug/l	99
95) Naphthalene	13.774	128	280058	50.619	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	88036	52.159	ug/l	99

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

