

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101722\
 Data File : VX032159.D
 Acq On : 17 Oct 2022 16:22
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/18/2022
 Supervised By : Mahesh Dadoda 10/18/2022

Quant Time: Oct 18 03:59:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 03:50:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	145800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	236322	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	167121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	117683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	105064	45.244	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.480%		
35) Dibromofluoromethane	5.379	113	79202	49.118	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.240%		
50) Toluene-d8	8.647	98	292354	51.691	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.380%		
62) 4-Bromofluorobenzene	11.079	95	101119	46.958	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.920%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	69722	43.431	ug/l	98
3) Chloromethane	1.288	50	68814	44.396	ug/l	99
4) Vinyl Chloride	1.368	62	81682	47.291	ug/l	100
5) Bromomethane	1.612	94	58561	45.806	ug/l	100
6) Chloroethane	1.685	64	56110	43.759	ug/l	96
7) Trichlorofluoromethane	1.886	101	122823	45.575	ug/l	99
8) Diethyl Ether	2.130	74	41010	46.033	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	59475	46.695	ug/l	93
10) Methyl Iodide	2.447	142	86876	56.262	ug/l	95
11) Tert butyl alcohol	2.995	59	58883	184.365	ug/l	96
12) 1,1-Dichloroethene	2.313	96	54193	45.541	ug/l	94
13) Acrolein	2.233	56	51993	193.405	ug/l	99
14) Allyl chloride	2.660	41	115983	55.152	ug/l	94
15) Acrylonitrile	3.063	53	179649	234.315	ug/l	100
16) Acetone	2.386	43	123044	220.373	ug/l	94
17) Carbon Disulfide	2.508	76	170998	57.267	ug/l	99
18) Methyl Acetate	2.703	43	110530	48.608	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	249412	50.494	ug/l	99
20) Methylene Chloride	2.782	84	78365	45.649	ug/l	92
21) trans-1,2-Dichloroethene	3.087	96	76763	47.610	ug/l	94
22) Diisopropyl ether	3.757	45	246905	47.259	ug/l	98
23) Vinyl Acetate	3.721	43	989262	242.391	ug/l	98
24) 1,1-Dichloroethane	3.605	63	141011	46.309	ug/l	100
25) 2-Butanone	4.556	43	259855	217.819	ug/l	97
26) 2,2-Dichloropropane	4.471	77	123647	51.593	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	91495	47.180	ug/l	97
28) Bromochloromethane	4.891	49	55877	44.911	ug/l	92
29) Tetrahydrofuran	5.001	42	162103	226.557	ug/l	96
30) Chloroform	5.087	83	160774	48.244	ug/l	100
31) Cyclohexane	5.471	56	125104	48.341	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	145883	54.602	ug/l	100
36) 1,1-Dichloropropene	5.690	75	117155	50.219	ug/l	100
37) Ethyl Acetate	4.709	43	104918	44.817	ug/l	100
38) Carbon Tetrachloride	5.672	117	130148	52.680	ug/l	98
39) Methylcyclohexane	7.379	83	143008	51.079	ug/l	97
40) Benzene	6.038	78	321084	49.206	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	59927	49.645	ug/l	97
42) 1,2-Dichloroethane	6.080	62	136176	49.825	ug/l	99
43) Isopropyl Acetate	6.336	43	174416	49.441	ug/l	99
44) Trichloroethene	7.123	130	87413	47.543	ug/l	96
45) 1,2-Dichloropropane	7.428	63	80628	49.597	ug/l	93
46) Dibromomethane	7.580	93	61176	48.987	ug/l	96
47) Bromodichloromethane	7.818	83	122356	52.594	ug/l	96
48) Methyl methacrylate	7.690	41	90919	50.852	ug/l	99
49) 1,4-Dioxane	7.684	88	31417	857.016	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	538786	249.059	ug/l	99
52) Toluene	8.720	92	215889	51.928	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	91467	44.076	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	136130	55.863	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	64608	40.937	ug/l	97
56) Ethyl methacrylate	9.116	69	96268	42.710	ug/l	96
57) 1,3-Dichloropropane	9.305	76	108774	39.310	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	281330	251.934	ug/l	96
59) 2-Hexanone	9.427	43	307985	192.172	ug/l	98
60) Dibromochloromethane	9.519	129	67608	41.407	ug/l	100
61) 1,2-Dibromoethane	9.610	107	69319	40.670	ug/l	97
64) Tetrachloroethene	9.275	164	68904	49.608	ug/l	96
65) Chlorobenzene	10.080	112	179244	48.810	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	65159	51.205	ug/l	99
67) Ethyl Benzene	10.195	91	321751	49.853	ug/l	99
68) m/p-Xylenes	10.299	106	255304	103.157	ug/l	99
69) o-Xylene	10.640	106	124740	51.222	ug/l	98
70) Styrene	10.653	104	209747	53.298	ug/l	99
71) Bromoform	10.799	173	48711	54.420	ug/l #	99
73) Isopropylbenzene	10.964	105	341480	38.376	ug/l	98
74) N-amyl acetate	10.842	43	129007	41.412	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	127063	44.542	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	108353m	41.705	ug/l	
77) Bromobenzene	11.195	156	100501	46.397	ug/l	97
78) n-propylbenzene	11.305	91	520216	48.788	ug/l	99
79) 2-Chlorotoluene	11.366	91	307690	46.715	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	387593	49.350	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	29365	44.302	ug/l	89
82) 4-Chlorotoluene	11.457	91	364708	47.516	ug/l	97
83) tert-Butylbenzene	11.713	119	360051	46.601	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	380246	48.112	ug/l	98
85) sec-Butylbenzene	11.890	105	472914	48.909	ug/l	99
86) p-Isopropyltoluene	12.012	119	407420	50.615	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	200355	47.861	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	201963	47.810	ug/l	99
89) n-Butylbenzene	12.335	91	367793	55.421	ug/l	99
90) Hexachloroethane	12.543	117	63974	57.272	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	198888	49.720	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	29727	58.484	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	128398	57.791	ug/l	98
94) Hexachlorobutadiene	13.725	225	55094	59.168	ug/l	99
95) Naphthalene	13.780	128	414811	55.870	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	126551	56.897	ug/l	99

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

