

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121422\
 Data File : VX033410.D
 Acq On : 14 Dec 2022 09:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2022
 Supervised By : Mahesh Dadoda 12/15/2022

Quant Time: Dec 14 22:35:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	143302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	224607	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	40768	44.345	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.700%		
35) Dibromofluoromethane	5.379	113	48335	47.845	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.700%		
50) Toluene-d8	8.647	98	105214	49.785	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.580%		
62) 4-Bromofluorobenzene	11.079	95	86125	53.298	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.600%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	51575	51.522	ug/l	99
3) Chloromethane	1.295	50	51358	44.373	ug/l	99
4) Vinyl Chloride	1.374	62	61148	46.270	ug/l	99
5) Bromomethane	1.618	94	43396	44.746	ug/l	99
6) Chloroethane	1.691	64	46466	46.354	ug/l	99
7) Trichlorofluoromethane	1.886	101	87586	35.301	ug/l	100
8) Diethyl Ether	2.130	74	31308	34.936	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	70586	53.631	ug/l	99
10) Methyl Iodide	2.453	142	66775	46.325	ug/l	99
11) Tert butyl alcohol	3.008	59	57581m	204.864	ug/l	
12) 1,1-Dichloroethene	2.319	96	64691	49.795	ug/l	99
13) Acrolein	2.240	56	50935	167.090	ug/l	98
14) Allyl chloride	2.666	41	99358	47.891	ug/l	96
15) Acrylonitrile	3.069	53	152899	219.605	ug/l	99
16) Acetone	2.392	43	184966	271.897	ug/l	99
17) Carbon Disulfide	2.514	76	157404	47.207	ug/l	99
18) Methyl Acetate	2.703	43	87547	44.455	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	221470	49.215	ug/l	99
20) Methylene Chloride	2.788	84	70759	46.640	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	71844	50.554	ug/l	99
22) Diisopropyl ether	3.758	45	225184	50.660	ug/l	99
23) Vinyl Acetate	3.721	43	843204	244.400	ug/l	97
24) 1,1-Dichloroethane	3.605	63	126651	48.493	ug/l	99
25) 2-Butanone	4.556	43	231624	237.201	ug/l	99
26) 2,2-Dichloropropane	4.471	77	103222	53.743	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	86136	50.715	ug/l	96
28) Bromochloromethane	4.891	49	54892	50.208	ug/l	92
29) Tetrahydrofuran	5.007	42	137861	217.904	ug/l	96
30) Chloroform	5.087	83	147141	50.748	ug/l	99
31) Cyclohexane	5.471	56	114200	52.269	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	132964	53.299	ug/l	98
36) 1,1-Dichloropropene	5.690	75	103510	52.553	ug/l	97
37) Ethyl Acetate	4.709	43	85847	46.108	ug/l	99
38) Carbon Tetrachloride	5.672	117	119097	53.968	ug/l	96
39) Methylcyclohexane	7.379	83	124839	56.626	ug/l	98
40) Benzene	6.038	78	301201	52.448	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	49181	47.936	ug/l	97
42) 1,2-Dichloroethane	6.086	62	113506	49.773	ug/l	98
43) Isopropyl Acetate	6.330	43	142360	47.521	ug/l	96
44) Trichloroethene	7.123	130	86227	54.459	ug/l	97
45) 1,2-Dichloropropane	7.428	63	76198	51.882	ug/l	98
46) Dibromomethane	7.580	93	56818	50.784	ug/l	97
47) Bromodichloromethane	7.818	83	117249	53.761	ug/l	99
48) Methyl methacrylate	7.690	41	74794	48.376	ug/l	92
49) 1,4-Dioxane	7.708	88	32788	929.992	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	455473	240.423	ug/l	96
52) Toluene	8.714	92	204248	55.009	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	116909	49.905	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	128211	55.245	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	83474	53.482	ug/l	97
56) Ethyl methacrylate	9.116	69	117816	53.613	ug/l #	89
57) 1,3-Dichloropropane	9.305	76	131102	52.288	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	253075	251.688	ug/l	98
59) 2-Hexanone	9.427	43	350307	250.920	ug/l	94
60) Dibromochloromethane	9.519	129	94373	54.879	ug/l	100
61) 1,2-Dibromoethane	9.610	107	88538	53.330	ug/l	98
64) Tetrachloroethene	9.275	164	77440	54.483	ug/l	98
65) Chlorobenzene	10.080	112	224490	53.332	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	85427	53.704	ug/l	100
67) Ethyl Benzene	10.195	91	403549	55.031	ug/l	99
68) m/p-Xylenes	10.299	106	319494	111.981	ug/l	97
69) o-Xylene	10.640	106	155394	55.102	ug/l	95
70) Styrene	10.653	104	261207	56.554	ug/l	97
71) Bromoform	10.799	173	68663	54.533	ug/l #	100
73) Isopropylbenzene	10.964	105	413057	53.953	ug/l	100
74) N-amyl acetate	10.842	43	129095	49.423	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	118109	48.629	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	107861m	50.192	ug/l	
77) Bromobenzene	11.195	156	100650	52.063	ug/l	98
78) n-propylbenzene	11.305	91	475579	55.634	ug/l	99
79) 2-Chlorotoluene	11.366	91	278819	52.777	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	349972	54.917	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	33598	48.634	ug/l	94
82) 4-Chlorotoluene	11.451	91	327337	53.286	ug/l	98
83) tert-Butylbenzene	11.713	119	345103	54.305	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	343751	54.038	ug/l	99
85) sec-Butylbenzene	11.890	105	419901	56.633	ug/l	99
86) p-Isopropyltoluene	12.006	119	360278	56.361	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	189082	53.993	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	191989	53.672	ug/l	98
89) n-Butylbenzene	12.335	91	304273	58.116	ug/l	99
90) Hexachloroethane	12.536	117	59420	54.686	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	184383	52.663	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	23428	44.657	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	117496	55.567	ug/l	98
94) Hexachlorobutadiene	13.725	225	47800	56.452	ug/l	99
95) Naphthalene	13.774	128	367775	52.142	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	114862	53.635	ug/l	100

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

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