

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122122\
 Data File : VX033523.D
 Acq On : 21 Dec 2022 10:11
 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 12/22/2022
 Supervised By : Mahesh Dadoda 12/22/2022

Quant Time: Dec 22 03:50:27 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	163689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	250291	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	223725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	42374	40.351	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	80.700%		
35) Dibromofluoromethane	5.385	113	53905	47.883	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.760%		
50) Toluene-d8	8.647	98	113127	48.036	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.080%		
62) 4-Bromofluorobenzene	11.079	95	92105	51.150	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.300%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	52906	46.269	ug/l	100
3) Chloromethane	1.294	50	52581	39.771	ug/l	100
4) Vinyl Chloride	1.374	62	62796	41.599	ug/l	100
5) Bromomethane	1.617	94	42407	38.280	ug/l	93
6) Chloroethane	1.691	64	42674	37.269	ug/l	100
7) Trichlorofluoromethane	1.886	101	92276	32.559	ug/l	98
8) Diethyl Ether	2.130	74	32278	31.532	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	76331	50.773	ug/l	97
10) Methyl Iodide	2.453	142	89241	54.200	ug/l	96
11) Tert butyl alcohol	2.983	59	65279m	203.326	ug/l	
12) 1,1-Dichloroethene	2.319	96	68607	46.232	ug/l	98
13) Acrolein	2.239	56	66906	192.147	ug/l	99
14) Allyl chloride	2.666	41	105442	44.493	ug/l	92
15) Acrylonitrile	3.062	53	172628	217.061	ug/l	98
16) Acetone	2.386	43	201573	259.404	ug/l	96
17) Carbon Disulfide	2.514	76	163138	42.833	ug/l	99
18) Methyl Acetate	2.703	43	101470	45.108	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	249184	48.477	ug/l	99
20) Methylene Chloride	2.788	84	75980	43.843	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	76553	47.158	ug/l	95
22) Diisopropyl ether	3.757	45	231467	45.588	ug/l	97
23) Vinyl Acetate	3.715	43	879097	223.069	ug/l	96
24) 1,1-Dichloroethane	3.605	63	136139	45.634	ug/l	100
25) 2-Butanone	4.550	43	258983	232.187	ug/l	96
26) 2,2-Dichloropropane	4.471	77	114704	52.283	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	94110	48.509	ug/l	94
28) Bromochloromethane	4.897	49	51086	40.907	ug/l	85
29) Tetrahydrofuran	5.001	42	147151	203.620	ug/l	93
30) Chloroform	5.086	83	154949	46.785	ug/l	97
31) Cyclohexane	5.464	56	113916	45.645	ug/l	92
32) 1,1,1-Trichloroethane	5.379	97	141865	49.784	ug/l	97
36) 1,1-Dichloropropene	5.690	75	109071	49.694	ug/l	98
37) Ethyl Acetate	4.702	43	91424	44.065	ug/l	98
38) Carbon Tetrachloride	5.678	117	125571	51.063	ug/l	99
39) Methylcyclohexane	7.379	83	129351	52.652	ug/l	95
40) Benzene	6.037	78	314550	49.152	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	54113	47.331	ug/l	94
42) 1,2-Dichloroethane	6.080	62	115109	45.297	ug/l	96
43) Isopropyl Acetate	6.336	43	157025	47.038	ug/l	95
44) Trichloroethene	7.123	130	93930	53.236	ug/l	97
45) 1,2-Dichloropropane	7.427	63	81561	49.835	ug/l	100
46) Dibromomethane	7.580	93	60228	48.308	ug/l	93
47) Bromodichloromethane	7.818	83	124404	51.189	ug/l	99
48) Methyl methacrylate	7.690	41	78079	45.318	ug/l	88
49) 1,4-Dioxane	7.690	88	32672	831.607	ug/l	96
51) 4-Methyl-2-Pentanone	8.567	43	478796	226.800	ug/l	94
52) Toluene	8.714	92	211286	51.065	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	126069	48.374	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	136273	52.694	ug/l #	87
55) 1,1,2-Trichloroethane	9.153	97	88498	50.882	ug/l	98
56) Ethyl methacrylate	9.116	69	125163	51.111	ug/l #	87
57) 1,3-Dichloropropane	9.305	76	137624	49.256	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	276223	246.519	ug/l	95
59) 2-Hexanone	9.427	43	375754	241.528	ug/l	92
60) Dibromochloromethane	9.518	129	102806	53.648	ug/l	100
61) 1,2-Dibromoethane	9.610	107	94667	51.170	ug/l	99
64) Tetrachloroethene	9.275	164	81483	53.263	ug/l	98
65) Chlorobenzene	10.079	112	236092	52.112	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	92360	53.946	ug/l	100
67) Ethyl Benzene	10.195	91	417045	52.839	ug/l	98
68) m/p-Xylenes	10.299	106	327499	106.649	ug/l	96
69) o-Xylene	10.640	106	160798	52.976	ug/l	96
70) Styrene	10.652	104	271384	54.592	ug/l	96
71) Bromoform	10.799	173	76191	56.222	ug/l #	100
73) Isopropylbenzene	10.963	105	425575	53.551	ug/l	99
74) N-amyl acetate	10.841	43	135920	50.129	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	125742	49.874	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	113418m	50.844	ug/l	
77) Bromobenzene	11.195	156	107904	53.770	ug/l	94
78) n-propylbenzene	11.305	91	479825	54.073	ug/l	98
79) 2-Chlorotoluene	11.366	91	286176	52.184	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	348704	52.712	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	36546	50.962	ug/l	92
82) 4-Chlorotoluene	11.457	91	323404	50.716	ug/l	98
83) tert-Butylbenzene	11.713	119	367395	55.694	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	357240	54.100	ug/l	99
85) sec-Butylbenzene	11.890	105	433390	56.310	ug/l	98
86) p-Isopropyltoluene	12.012	119	362768	54.670	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	192046	52.829	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	194130	52.282	ug/l	99
89) n-Butylbenzene	12.335	91	306229	56.346	ug/l	98
90) Hexachloroethane	12.536	117	61482	54.510	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	196584	54.090	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	25687	47.169	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	121329	55.276	ug/l	99
94) Hexachlorobutadiene	13.725	225	53329	60.673	ug/l	99
95) Naphthalene	13.774	128	402557	54.982	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	121610	54.704	ug/l	100

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

