

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110922\
 Data File : VX032716.D
 Acq On : 10 Nov 2022 08:45
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/10/2022
 Supervised By : Mahesh Dadoda 11/10/2022

Quant Time: Nov 10 09:14:26 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	5.556	168	123043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	196056	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177648	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84959	49.694	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.380%		
35) Dibromofluoromethane	5.385	113	72023	51.501	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.000%		
50) Toluene-d8	8.647	98	240709	49.500	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.000%		
62) 4-Bromofluorobenzene	11.079	95	97537	51.348	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.700%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	69579	49.030	ug/l	97
3) Chloromethane	1.294	50	60790	50.652	ug/l	99
4) Vinyl Chloride	1.373	62	69507	52.624	ug/l	98
5) Bromomethane	1.617	94	39137	37.078	ug/l	99
6) Chloroethane	1.690	64	48982	55.279	ug/l	98
7) Trichlorofluoromethane	1.886	101	122893	49.104	ug/l	97
8) Diethyl Ether	2.136	74	42596	52.521	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	67562	51.148	ug/l	99
10) Methyl Iodide	2.453	142	70128	47.818	ug/l	98
11) Tert butyl alcohol	3.013	59	62744m	252.148	ug/l	
12) 1,1-Dichloroethene	2.318	96	62111	50.335	ug/l	96
13) Acrolein	2.239	56	66017	265.752	ug/l	99
14) Allyl chloride	2.666	41	98741	50.198	ug/l	96
15) Acrylonitrile	3.068	53	159358	235.971	ug/l	98
16) Acetone	2.392	43	138984	223.670	ug/l	99
17) Carbon Disulfide	2.514	76	121638	41.386	ug/l	97
18) Methyl Acetate	2.709	43	107162	53.033	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	233411	53.819	ug/l	99
20) Methylene Chloride	2.794	84	72698	51.027	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	68493	50.994	ug/l	98
22) Diisopropyl ether	3.757	45	228437	53.691	ug/l	90
23) Vinyl Acetate	3.721	43	842568	245.116	ug/l	99
24) 1,1-Dichloroethane	3.611	63	128715	52.595	ug/l	99
25) 2-Butanone	4.562	43	207660	215.708	ug/l	96
26) 2,2-Dichloropropane	4.477	77	81236	41.758	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	81666	52.601	ug/l	98
28) Bromochloromethane	4.897	49	40726	46.720	ug/l	97
29) Tetrahydrofuran	5.007	42	134152	218.534	ug/l	98
30) Chloroform	5.092	83	142999	53.251	ug/l	99
31) Cyclohexane	5.470	56	101581	49.004	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	125795	52.202	ug/l	99
36) 1,1-Dichloropropene	5.696	75	95905	49.246	ug/l	99
37) Ethyl Acetate	4.714	43	86018	42.434	ug/l	100
38) Carbon Tetrachloride	5.684	117	104908	48.569	ug/l	98
39) Methylcyclohexane	7.385	83	104205	45.225	ug/l	99
40) Benzene	6.037	78	278116	50.466	ug/l	100

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41) Methacrylonitrile	4.922	41	49609	48.040	ug/l	98
42) 1,2-Dichloroethane	6.086	62	112565	49.967	ug/l	99
43) Isopropyl Acetate	6.342	43	147534	47.401	ug/l	99
44) Trichloroethene	7.129	130	77364	49.868	ug/l	98
45) 1,2-Dichloropropane	7.427	63	72489	51.241	ug/l	98
46) Dibromomethane	7.580	93	53070	48.916	ug/l	99
47) Bromodichloromethane	7.824	83	103938	50.548	ug/l	98
48) Methyl methacrylate	7.696	41	74715	46.480	ug/l	98
49) 1,4-Dioxane	7.714	88	25066	818.232	ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	440188	224.532	ug/l	98
52) Toluene	8.720	92	182273	50.694	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	105077	50.085	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	111463	49.672	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	76485	50.511	ug/l	99
56) Ethyl methacrylate	9.116	69	111853	51.331	ug/l	96
57) 1,3-Dichloropropane	9.311	76	123106	50.344	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	259493	247.313	ug/l	99
59) 2-Hexanone	9.433	43	317117	217.997	ug/l	99
60) Dibromochloromethane	9.518	129	79734	48.209	ug/l	100
61) 1,2-Dibromoethane	9.610	107	79503	49.552	ug/l	100
64) Tetrachloroethene	9.274	164	64670	49.736	ug/l	97
65) Chlorobenzene	10.079	112	200828	50.467	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	77063	51.455	ug/l	99
67) Ethyl Benzene	10.195	91	362325	50.916	ug/l	100
68) m/p-Xylenes	10.305	106	282278	102.155	ug/l	100
69) o-Xylene	10.640	106	139258	51.834	ug/l	98
70) Styrene	10.658	104	231888	51.935	ug/l	99
71) Bromoform	10.799	173	54718	46.209	ug/l #	99
73) Isopropylbenzene	10.963	105	368415	50.102	ug/l	100
74) N-amyl acetate	10.841	43	134693	48.479	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	110375	46.764	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	97232m	47.098	ug/l	
77) Bromobenzene	11.201	156	91317	50.655	ug/l	99
78) n-propylbenzene	11.305	91	426224	50.310	ug/l	100
79) 2-Chlorotoluene	11.366	91	256508	50.557	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	316727	50.398	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	26668	41.104	ug/l	97
82) 4-Chlorotoluene	11.457	91	296345	49.916	ug/l	100
83) tert-Butylbenzene	11.713	119	313957	50.039	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	323976	51.831	ug/l	100
85) sec-Butylbenzene	11.890	105	371310	49.183	ug/l	100
86) p-Isopropyltoluene	12.012	119	318202	49.671	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	169556	49.861	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	171773	48.691	ug/l	99
89) n-Butylbenzene	12.335	91	268841	48.238	ug/l	99
90) Hexachloroethane	12.536	117	49975	47.760	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	167989	50.101	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22022	42.554	ug/l	100
93) 1,2,4-Trichlorobenzene	13.591	180	105222	48.128	ug/l	97
94) Hexachlorobutadiene	13.725	225	42025	46.025	ug/l	99
95) Naphthalene	13.774	128	342976	47.080	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	104265	46.915	ug/l	99

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

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