

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102522\
 Data File : VX032381.D
 Acq On : 25 Oct 2022 22:13
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/27/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 14:19:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 22 04:56:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	121118	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	195386	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94693	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	82190	52.164	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.320%			
35) Dibromofluoromethane	5.391	113	66619	48.998	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.000%			
50) Toluene-d8	8.653	98	236142	48.249	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.500%			
62) 4-Bromofluorobenzene	11.079	95	92562	51.647	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.300%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	50721	45.774	ug/l	96
3) Chloromethane	1.294	50	46865	43.428	ug/l	95
4) Vinyl Chloride	1.373	62	54158	45.381	ug/l	99
5) Bromomethane	1.611	94	63151	50.541	ug/l	99
6) Chloroethane	1.684	64	36482	33.864	ug/l	99
7) Trichlorofluoromethane	1.886	101	106159	50.039	ug/l	100
8) Diethyl Ether	2.135	74	37309	51.749	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	57343	49.855	ug/l	98
10) Methyl Iodide	2.452	142	58704	35.318	ug/l	98
11) Tert butyl alcohol	2.971	59	56562	255.401	ug/l	97
12) 1,1-Dichloroethene	2.318	96	51395	47.541	ug/l	97
13) Acrolein	2.233	56	34910	182.008	ug/l	99
14) Allyl chloride	2.666	41	86559	50.979	ug/l	99
15) Acrylonitrile	3.062	53	150621	254.887	ug/l	99
16) Acetone	2.379	43	133464	261.018	ug/l	100
17) Carbon Disulfide	2.513	76	106284	41.994	ug/l	98
18) Methyl Acetate	2.702	43	94981	54.715	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	196789	52.826	ug/l	97
20) Methylene Chloride	2.788	84	61168	46.589	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	55898	47.473	ug/l	97
22) Diisopropyl ether	3.757	45	192409	51.749	ug/l	97
23) Vinyl Acetate	3.721	43	767000	258.097	ug/l	100
24) 1,1-Dichloroethane	3.611	63	109381	50.916	ug/l	100
25) 2-Butanone	4.556	43	211439	264.857	ug/l	99
26) 2,2-Dichloropropane	4.483	77	74396	48.066	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	70454	51.104	ug/l	100
28) Bromochloromethane	4.897	49	43392	48.957	ug/l	100
29) Tetrahydrofuran	5.007	42	135451	262.702	ug/l	99
30) Chloroform	5.098	83	122506	52.392	ug/l	98
31) Cyclohexane	5.476	56	86328	47.927	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	108529	54.428	ug/l	99
36) 1,1-Dichloropropene	5.696	75	81657	46.689	ug/l	99
37) Ethyl Acetate	4.714	43	85645	50.014	ug/l	99
38) Carbon Tetrachloride	5.678	117	94166	51.002	ug/l	97
39) Methylcyclohexane	7.385	83	96391	46.135	ug/l	97
40) Benzene	6.043	78	241766	47.695	ug/l	99

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41) Methacrylonitrile	4.922	41	47687	52.811	ug/l	100
42) 1,2-Dichloroethane	6.092	62	101627	52.341	ug/l	99
43) Isopropyl Acetate	6.342	43	140901	52.425	ug/l	99
44) Trichloroethene	7.128	130	66985	47.987	ug/l	97
45) 1,2-Dichloropropane	7.433	63	64191	50.199	ug/l	96
46) Dibromomethane	7.586	93	48787	51.153	ug/l	97
47) Bromodichloromethane	7.823	83	95465	54.185	ug/l	97
48) Methyl methacrylate	7.695	41	71410	53.275	ug/l	99
49) 1,4-Dioxane	7.677	88	27705	1029.905	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	444835	264.032	ug/l	100
52) Toluene	8.720	92	159210	48.485	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	93632	47.265	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	100931	51.413	ug/l	99
55) 1,1,2-Trichloroethane	9.152	97	67907	50.907	ug/l	98
56) Ethyl methacrylate	9.116	69	100444	52.283	ug/l	99
57) 1,3-Dichloropropane	9.311	76	111515	51.611	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	201738	229.096	ug/l	100
59) 2-Hexanone	9.433	43	334184	265.834	ug/l	99
60) Dibromochloromethane	9.524	129	73704	53.911	ug/l	98
61) 1,2-Dibromoethane	9.610	107	72383	51.187	ug/l	98
64) Tetrachloroethene	9.274	164	55606	47.501	ug/l	95
65) Chlorobenzene	10.079	112	177019	48.704	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	69719	53.608	ug/l	98
67) Ethyl Benzene	10.195	91	319526	49.654	ug/l	100
68) m/p-Xylenes	10.305	106	246374	96.949	ug/l	99
69) o-Xylene	10.640	106	122327	50.247	ug/l	99
70) Styrene	10.658	104	205895	50.152	ug/l	99
71) Bromoform	10.799	173	54308	49.253	ug/l #	99
73) Isopropylbenzene	10.963	105	329126	48.710	ug/l	100
74) N-amyl acetate	10.841	43	128919	51.646	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	107917	49.680	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	94573m	50.405	ug/l	
77) Bromobenzene	11.201	156	81149	48.998	ug/l	98
78) n-propylbenzene	11.305	91	384548	49.704	ug/l	100
79) 2-Chlorotoluene	11.366	91	230502	49.434	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	287854	49.322	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	27602	46.434	ug/l	98
82) 4-Chlorotoluene	11.457	91	271452	50.003	ug/l	99
83) tert-Butylbenzene	11.713	119	289683	49.609	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	287359	50.643	ug/l	99
85) sec-Butylbenzene	11.890	105	348599	49.398	ug/l	100
86) p-Isopropyltoluene	12.012	119	301565	50.222	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	155393	48.748	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	157727	48.168	ug/l	99
89) n-Butylbenzene	12.335	91	258484	48.874	ug/l	99
90) Hexachloroethane	12.542	117	48694	52.261	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	155258	49.613	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.944	75	23058	55.559	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	99173	48.681	ug/l	99
94) Hexachlorobutadiene	13.725	225	39725	44.928	ug/l	100
95) Naphthalene	13.774	128	334773	51.308	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	99016	48.323	ug/l	98

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

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