

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112122\
 Data File : VX032940.D
 Acq On : 21 Nov 2022 10:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 22 05:09:51 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

Manual Integrations APPROVED

Reviewed By : John Carlone 11/22/2022
 Supervised By : Mahesh Dadoda 11/25/2022

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	106253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.756	114	164050	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80327	54.409	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.820%			
35) Dibromofluoromethane	5.385	113	67681	57.838	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.680%			
50) Toluene-d8	8.646	98	214490	52.713	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.420%			
62) 4-Bromofluorobenzene	11.079	95	92928	58.466	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.940%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	51890	42.343	ug/l	95
3) Chloromethane	1.294	50	41818	40.350	ug/l	97
4) Vinyl Chloride	1.373	62	50565	44.332	ug/l	99
5) Bromomethane	1.617	94	45613	50.042	ug/l	100
6) Chloroethane	1.690	64	46629	60.939	ug/l	99
7) Trichlorofluoromethane	1.892	101	109085	50.475	ug/l	98
8) Diethyl Ether	2.129	74	37136	53.024	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.330	101	61650	54.047	ug/l	99
10) Methyl Iodide	2.452	142	67422	53.021	ug/l	100
11) Tert butyl alcohol	2.989	59	47086m	219.124	ug/l	
12) 1,1-Dichloroethene	2.318	96	52039	48.837	ug/l	96
13) Acrolein	2.239	56	61088	284.768	ug/l	100
14) Allyl chloride	2.666	41	88710	52.225	ug/l	98
15) Acrylonitrile	3.062	53	140981	241.747	ug/l	99
16) Acetone	2.385	43	165958	309.284	ug/l	100
17) Carbon Disulfide	2.513	76	102170	40.256	ug/l	99
18) Methyl Acetate	2.702	43	92581	53.057	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	216791	57.885	ug/l	99
20) Methylene Chloride	2.788	84	62821	51.062	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	58042	50.041	ug/l	99
22) Diisopropyl ether	3.757	45	217936	59.317	ug/l	99
23) Vinyl Acetate	3.714	43	803728	270.765	ug/l	100
24) 1,1-Dichloroethane	3.605	63	117923	55.800	ug/l	98
25) 2-Butanone	4.556	43	212668	255.818	ug/l	97
26) 2,2-Dichloropropane	4.476	77	103590	61.664	ug/l	100
27) cis-1,2-Dichloroethene	4.482	96	74619	55.657	ug/l	97
28) Bromochloromethane	4.891	49	35177	46.731	ug/l	97
29) Tetrahydrofuran	5.007	42	121459	229.122	ug/l	100
30) Chloroform	5.092	83	136792	58.989	ug/l	97
31) Cyclohexane	5.470	56	86281	48.200	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	121026	58.160	ug/l	99
36) 1,1-Dichloropropene	5.690	75	86895	53.325	ug/l	99
37) Ethyl Acetate	4.708	43	79815	47.055	ug/l	99
38) Carbon Tetrachloride	5.677	117	105116	58.159	ug/l	98
39) Methylcyclohexane	7.378	83	95498	49.532	ug/l	97
40) Benzene	6.037	78	251319	54.501	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	47140	54.555	ug/l	98
42) 1,2-Dichloroethane	6.086	62	109758	58.227	ug/l	100
43) Isopropyl Acetate	6.336	43	140247	53.851	ug/l	100
44) Trichloroethene	7.122	130	71153	54.812	ug/l	94
45) 1,2-Dichloropropane	7.427	63	69537	58.744	ug/l	96
46) Dibromomethane	7.580	93	52030	57.313	ug/l	99
47) Bromodichloromethane	7.817	83	110983	64.504	ug/l	98
48) Methyl methacrylate	7.689	41	72113	53.613	ug/l	98
49) 1,4-Dioxane	7.701	88	21414	835.398	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	426717	260.126	ug/l	100
52) Toluene	8.720	92	169855	56.457	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	112721	64.210	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	115817	61.682	ug/l	98
55) 1,1,2-Trichloroethane	9.152	97	76417	60.312	ug/l	99
56) Ethyl methacrylate	9.116	69	106281	58.289	ug/l	98
57) 1,3-Dichloropropane	9.305	76	118803	58.063	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	204974	233.466	ug/l	100
59) 2-Hexanone	9.427	43	322178	264.685	ug/l	99
60) Dibromochloromethane	9.518	129	89013	64.319	ug/l	99
61) 1,2-Dibromoethane	9.610	107	78489	58.464	ug/l	98
64) Tetrachloroethene	9.274	164	61145	55.008	ug/l	98
65) Chlorobenzene	10.079	112	192940	56.716	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.164	131	80005	62.488	ug/l	99
67) Ethyl Benzene	10.195	91	347679	57.152	ug/l	100
68) m/p-Xylenes	10.299	106	268333	113.593	ug/l	100
69) o-Xylene	10.640	106	132777	57.811	ug/l	99
70) Styrene	10.652	104	229053	60.009	ug/l	99
71) Bromoform	10.798	173	63916	63.140	ug/l #	99
73) Isopropylbenzene	10.963	105	363233	53.041	ug/l	99
74) N-amyl acetate	10.841	43	130594	50.471	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	111537	50.741	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	101612m	52.850	ug/l	
77) Bromobenzene	11.201	156	89940	53.571	ug/l	98
78) n-propylbenzene	11.304	91	425333	53.908	ug/l	100
79) 2-Chlorotoluene	11.365	91	254444	53.849	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	313174	53.508	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	32216	53.318	ug/l	99
82) 4-Chlorotoluene	11.451	91	298380	53.966	ug/l	99
83) tert-Butylbenzene	11.713	119	320222	54.802	ug/l	99
84) 1,2,4-Trimethylbenzene	11.749	105	310595	53.355	ug/l	99
85) sec-Butylbenzene	11.890	105	383821	54.589	ug/l	100
86) p-Isopropyltoluene	12.012	119	324742	54.431	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	170475	53.829	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	172709	52.567	ug/l	99
89) n-Butylbenzene	12.335	91	284750	54.861	ug/l	100
90) Hexachloroethane	12.536	117	56216	57.687	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	170908	54.731	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.944	75	22378	46.431	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	108525	53.300	ug/l	99
94) Hexachlorobutadiene	13.725	225	47474	55.828	ug/l	98
95) Naphthalene	13.774	128	331605	48.877	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	106764	51.583	ug/l	100

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

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