

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122223\
 Data File : VX039457.D
 Acq On : 22 Dec 2023 21:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/27/2023
 Supervised By : Mahesh Dadoda 12/28/2023

Quant Time: Dec 23 06:32:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	81910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	169242	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	164075	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	82595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86124	57.396	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.800%			
35) Dibromofluoromethane	5.385	113	60220	51.505	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.020%			
50) Toluene-d8	8.647	98	207849	47.884	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.760%			
62) 4-Bromofluorobenzene	11.079	95	88191	49.242	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.480%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	47056	40.883	ug/l	98
3) Chloromethane	1.294	50	70929	55.587	ug/l	97
4) Vinyl Chloride	1.374	62	60441	50.931	ug/l	99
5) Bromomethane	1.599	94	41378	60.605	ug/l	96
6) Chloroethane	1.685	64	40524	56.665	ug/l	99
7) Trichlorofluoromethane	1.886	101	77027	44.327	ug/l	99
8) Diethyl Ether	2.130	74	41479	68.968	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	42878	40.435	ug/l	95
10) Methyl Iodide	2.453	142	59674	54.444	ug/l	95
11) Tert butyl alcohol	2.953	59	116253	308.520	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	51787	49.165	ug/l	94
13) Acrolein	2.233	56	129453	430.643	ug/l	100
14) Allyl chloride	2.660	41	120120	56.294	ug/l	97
15) Acrylonitrile	3.056	53	247244	327.810	ug/l	99
16) Acetone	2.373	43	224538	259.028	ug/l	96
17) Carbon Disulfide	2.514	76	144967	47.030	ug/l	100
18) Methyl Acetate	2.697	43	213481	65.776	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	241055	63.278	ug/l	99
20) Methylene Chloride	2.788	84	76148	60.876	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	61588	53.734	ug/l	99
22) Diisopropyl ether	3.757	45	252310	64.958	ug/l	91
23) Vinyl Acetate	3.715	43	957172	331.010	ug/l	98
24) 1,1-Dichloroethane	3.611	63	126917	57.803	ug/l	98
25) 2-Butanone	4.550	43	355636	274.655	ug/l	98
26) 2,2-Dichloropropane	4.477	77	88982	46.420	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	76327	60.333	ug/l	100
28) Bromochloromethane	4.891	49	66280	61.867	ug/l	92
29) Tetrahydrofuran	4.995	42	237113	331.592	ug/l	99
30) Chloroform	5.092	83	131273	59.828	ug/l	97
31) Cyclohexane	5.470	56	78122	40.309	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	97264	51.062	ug/l	98
36) 1,1-Dichloropropene	5.690	75	80616	43.693	ug/l	100
37) Ethyl Acetate	4.708	43	135249	59.334	ug/l	99
38) Carbon Tetrachloride	5.678	117	73233	41.592	ug/l	98
39) Methylcyclohexane	7.379	83	72828	32.861	ug/l	99
40) Benzene	6.037	78	271641	52.047	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	70406	57.890	ug/l	96
42) 1,2-Dichloroethane	6.086	62	116492	55.140	ug/l	100
43) Isopropyl Acetate	6.336	43	213387	57.567	ug/l	99
44) Trichloroethene	7.123	130	61748	46.884	ug/l	92
45) 1,2-Dichloropropane	7.427	63	78663	56.159	ug/l	100
46) Dibromomethane	7.580	93	56635	57.518	ug/l	94
47) Bromodichloromethane	7.818	83	104086	55.287	ug/l	97
48) Methyl methacrylate	7.690	41	127928	59.034	ug/l	97
49) 1,4-Dioxane	7.653	88	37272	1275.984	ug/l #	98
51) 4-Methyl-2-Pentanone	8.567	43	707562	299.595	ug/l	98
52) Toluene	8.720	92	161083	51.136	ug/l	92
53) t-1,3-Dichloropropene	8.976	75	114990	55.478	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	121887	54.653	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	77870	59.212	ug/l	94
56) Ethyl methacrylate	9.116	69	98000	61.043	ug/l	96
57) 1,3-Dichloropropane	9.305	76	131903	58.017	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	269015	285.368	ug/l	94
59) 2-Hexanone	9.427	43	564187	276.797	ug/l	99
60) Dibromochloromethane	9.518	129	75175	56.522	ug/l	100
61) 1,2-Dibromoethane	9.610	107	81112	57.776	ug/l	99
64) Tetrachloroethene	9.275	164	43207	40.299	ug/l	96
65) Chlorobenzene	10.079	112	175985	49.141	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	64713	51.157	ug/l	98
67) Ethyl Benzene	10.189	91	314081	47.115	ug/l	98
68) m/p-Xylenes	10.299	106	226559	94.788	ug/l	94
69) o-Xylene	10.640	106	114951	49.741	ug/l	94
70) Styrene	10.652	104	176493	52.240	ug/l	96
71) Bromoform	10.799	173	49871	53.039	ug/l #	100
73) Isopropylbenzene	10.963	105	282542	44.337	ug/l	100
74) N-amyl acetate	10.841	43	187188	58.057	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	133441	56.290	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	112868m	52.819	ug/l	
77) Bromobenzene	11.195	156	70806	50.246	ug/l	89
78) n-propylbenzene	11.305	91	343889	43.799	ug/l	97
79) 2-Chlorotoluene	11.360	91	218221	45.949	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	248556	45.785	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	37008	48.856	ug/l	100
82) 4-Chlorotoluene	11.451	91	263742	47.281	ug/l	97
83) tert-Butylbenzene	11.713	119	224751	43.501	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	263999	47.421	ug/l	99
85) sec-Butylbenzene	11.890	105	265110	40.325	ug/l	98
86) p-Isopropyltoluene	12.006	119	230503	41.777	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	133714	48.299	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	136703	47.424	ug/l	98
89) n-Butylbenzene	12.329	91	220323	40.621	ug/l	95
90) Hexachloroethane	12.536	117	40499	40.635	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	131755	49.739	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	33342	53.398	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	78667	45.353	ug/l	99
94) Hexachlorobutadiene	13.725	225	21111	32.296	ug/l	99
95) Naphthalene	13.774	128	323888	53.619	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	78012	46.589	ug/l	97

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

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