

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010524\
 Data File : VX039637.D
 Acq On : 05 Jan 2024 10:31
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 05 22:17:37 2024
 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

Manual Integrations
 APPROVED

Reviewed By :John Carlone 01/08/2024
 Supervised By :Mahesh Dadoda 01/08/2024

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	104948	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	188322	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	175799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	88266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88992	46.288	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.580%		
35) Dibromofluoromethane	5.379	113	65029	49.983	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.960%		
50) Toluene-d8	8.647	98	242225	50.149	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.300%		
62) 4-Bromofluorobenzene	11.079	95	98983	49.669	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	65886	44.677	ug/l	97
3) Chloromethane	1.294	50	74855	45.786	ug/l	99
4) Vinyl Chloride	1.374	62	72707	47.818	ug/l	100
5) Bromomethane	1.599	94	43799	50.069	ug/l	96
6) Chloroethane	1.684	64	44109	48.139	ug/l	100
7) Trichlorofluoromethane	1.886	101	106954	48.038	ug/l	98
8) Diethyl Ether	2.129	74	39451	51.197	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	66133	48.675	ug/l	97
10) Methyl Iodide	2.453	142	66701	47.496	ug/l	94
11) Tert butyl alcohol	2.953	59	94031	194.766	ug/l #	92
12) 1,1-Dichloroethene	2.318	96	62902	46.608	ug/l	96
13) Acrolein	2.233	56	89282	231.810	ug/l	99
14) Allyl chloride	2.660	41	126290	46.193	ug/l	97
15) Acrylonitrile	3.056	53	230327	238.344	ug/l	99
16) Acetone	2.373	43	259361	230.785	ug/l	91
17) Carbon Disulfide	2.507	76	160074	40.531	ug/l	99
18) Methyl Acetate	2.696	43	212546	51.112	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	233524	47.844	ug/l	98
20) Methylene Chloride	2.788	84	75114	46.867	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	67151	45.726	ug/l	95
22) Diisopropyl ether	3.751	45	248957	50.025	ug/l	97
23) Vinyl Acetate	3.715	43	888496	239.811	ug/l	99
24) 1,1-Dichloroethane	3.605	63	133254	47.367	ug/l	100
25) 2-Butanone	4.544	43	342038	206.167	ug/l	99
26) 2,2-Dichloropropane	4.471	77	108616	44.224	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	80550	49.694	ug/l	99
28) Bromochloromethane	4.891	49	66324	48.318	ug/l	95
29) Tetrahydrofuran	4.995	42	215413	235.117	ug/l	98
30) Chloroform	5.086	83	133913	47.633	ug/l	100
31) Cyclohexane	5.470	56	115839	46.649	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	113157	46.365	ug/l	98
36) 1,1-Dichloropropene	5.684	75	98002	47.735	ug/l	99
37) Ethyl Acetate	4.708	43	123558	48.713	ug/l	99
38) Carbon Tetrachloride	5.672	117	92386	47.154	ug/l	99
39) Methylcyclohexane	7.379	83	118703	48.134	ug/l	99
40) Benzene	6.031	78	286978	49.415	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	68210	50.402	ug/l	98
42) 1,2-Dichloroethane	6.080	62	113399	48.237	ug/l	99
43) Isopropyl Acetate	6.330	43	199122	48.276	ug/l	99
44) Trichloroethene	7.122	130	69990	47.758	ug/l	97
45) 1,2-Dichloropropane	7.427	63	79320	50.891	ug/l	100
46) Dibromomethane	7.580	93	54116	49.391	ug/l	95
47) Bromodichloromethane	7.817	83	106247	50.717	ug/l	97
48) Methyl methacrylate	7.689	41	118490	49.139	ug/l	96
49) 1,4-Dioxane	7.653	88	31255	961.588	ug/l #	96
51) 4-Methyl-2-Pentanone	8.567	43	654307	248.976	ug/l	98
52) Toluene	8.714	92	174680	49.834	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	113362	49.151	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	121455	48.941	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	73595	50.292	ug/l	93
56) Ethyl methacrylate	9.116	69	93146	52.141	ug/l	97
57) 1,3-Dichloropropane	9.305	76	125553	49.629	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	282825	269.621	ug/l	94
59) 2-Hexanone	9.427	43	529305	233.374	ug/l	99
60) Dibromochloromethane	9.518	129	74798	50.541	ug/l	99
61) 1,2-Dibromoethane	9.610	107	79145	50.663	ug/l	98
64) Tetrachloroethene	9.268	164	53295	46.393	ug/l	95
65) Chlorobenzene	10.079	112	185977	48.467	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	66883	49.346	ug/l	98
67) Ethyl Benzene	10.189	91	350597	49.085	ug/l	97
68) m/p-Xylenes	10.299	106	255570	99.795	ug/l	96
69) o-Xylene	10.640	106	123347	49.815	ug/l	94
70) Styrene	10.652	104	183951	50.817	ug/l	96
71) Bromoform	10.799	173	50281	49.908	ug/l #	100
73) Isopropylbenzene	10.957	105	342506	50.294	ug/l	99
74) N-amyl acetate	10.841	43	174866	50.751	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	129787	51.231	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	109132m	47.790	ug/l	
77) Bromobenzene	11.195	156	75337	50.027	ug/l	94
78) n-propylbenzene	11.305	91	417492	49.757	ug/l	97
79) 2-Chlorotoluene	11.360	91	247532	48.772	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	291040	50.167	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	35969	44.434	ug/l	98
82) 4-Chlorotoluene	11.451	91	288503	48.397	ug/l	99
83) tert-Butylbenzene	11.713	119	277266	50.218	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	298492	50.172	ug/l	100
85) sec-Butylbenzene	11.890	105	358634	51.046	ug/l	98
86) p-Isopropyltoluene	12.006	119	303546	51.481	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	145618	49.219	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	146178	47.453	ug/l	98
89) n-Butylbenzene	12.329	91	308940	53.300	ug/l	96
90) Hexachloroethane	12.536	117	52714	49.493	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	141372	49.941	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	31014	46.478	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	94650	51.062	ug/l	99
94) Hexachlorobutadiene	13.725	225	39474	56.509	ug/l	97
95) Naphthalene	13.774	128	335437	51.963	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	91645	51.215	ug/l	97

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

