

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012624\
 Data File : VX039993.D
 Acq On : 26 Jan 2024 19:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/29/2024
 Supervised By : Mahesh Dadoda 01/29/2024

Quant Time: Jan 29 00:46:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	60196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	112063	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	105878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	52319	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	48597	48.194	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.380%		
35) Dibromofluoromethane	5.385	113	37276	49.386	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.780%		
50) Toluene-d8	8.647	98	134171	47.131	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.260%		
62) 4-Bromofluorobenzene	11.079	95	34093	30.626	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	61.260%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	28313	36.353	ug/l	98
3) Chloromethane	1.294	50	30968	34.817	ug/l	96
4) Vinyl Chloride	1.374	62	32376	38.570	ug/l	97
5) Bromomethane	1.599	94	31413	65.586	ug/l	94
6) Chloroethane	1.678	64	20810	43.609	ug/l	98
7) Trichlorofluoromethane	1.880	101	48539	40.085	ug/l	96
8) Diethyl Ether	2.136	74	18556	41.467	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	31498	41.957	ug/l	98
10) Methyl Iodide	2.447	142	39085	49.352	ug/l	96
11) Tert butyl alcohol	2.965	59	71212	271.296	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	29353	40.515	ug/l	92
13) Acrolein	2.233	56	45021	280.733	ug/l	100
14) Allyl chloride	2.666	41	65982	46.272	ug/l	98
15) Acrylonitrile	3.062	53	139594	257.455	ug/l	99
16) Acetone	2.380	43	115204	203.145	ug/l	96
17) Carbon Disulfide	2.508	76	93486	44.894	ug/l	99
18) Methyl Acetate	2.703	43	69956	58.963	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	133069	51.735	ug/l	100
20) Methylene Chloride	2.788	84	41264	48.105	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	40729	53.420	ug/l	94
22) Diisopropyl ether	3.763	45	137283	50.449	ug/l	91
23) Vinyl Acetate	3.721	43	637737	252.116	ug/l	99
24) 1,1-Dichloroethane	3.611	63	77480	51.755	ug/l	99
25) 2-Butanone	4.556	43	205389	252.023	ug/l	98
26) 2,2-Dichloropropane	4.477	77	49441	41.149	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	48447	55.402	ug/l	93
28) Bromochloromethane	4.903	49	34922	51.462	ug/l	98
29) Tetrahydrofuran	5.007	42	136395	260.025	ug/l	98
30) Chloroform	5.099	83	82504	55.826	ug/l	99
31) Cyclohexane	5.470	56	66322	49.836	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	69663	55.060	ug/l	99
36) 1,1-Dichloropropene	5.690	75	59647	50.769	ug/l	99
37) Ethyl Acetate	4.714	43	75067	47.894	ug/l	99
38) Carbon Tetrachloride	5.678	117	56702	52.694	ug/l	96
39) Methylcyclohexane	7.379	83	68241	48.370	ug/l	95
40) Benzene	6.037	78	176136	52.945	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	41177	53.724	ug/l	94
42) 1,2-Dichloroethane	6.086	62	68702	54.319	ug/l	100
43) Isopropyl Acetate	6.342	43	114481	49.791	ug/l	99
44) Trichloroethene	7.129	130	43008	52.750	ug/l	98
45) 1,2-Dichloropropane	7.427	63	46538	52.147	ug/l	99
46) Dibromomethane	7.586	93	34246	55.557	ug/l	97
47) Bromodichloromethane	7.824	83	64116	56.162	ug/l	98
48) Methyl methacrylate	7.696	41	57022	50.455	ug/l	92
49) 1,4-Dioxane	7.659	88	24245	1108.689	ug/l #	94
51) 4-Methyl-2-Pentanone	8.574	43	412677	260.608	ug/l	99
52) Toluene	8.720	92	110167	55.442	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	63056	52.052	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	70854	53.193	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	45791	54.126	ug/l	95
56) Ethyl methacrylate	9.116	69	72780	53.153	ug/l	97
57) 1,3-Dichloropropane	9.305	76	76470	53.338	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	170136	262.877	ug/l	97
59) 2-Hexanone	9.433	43	330332	263.577	ug/l	99
60) Dibromochloromethane	9.518	129	47074	59.002	ug/l	98
61) 1,2-Dibromoethane	9.610	107	50509	57.652	ug/l	99
64) Tetrachloroethene	9.275	164	35575	51.668	ug/l	93
65) Chlorobenzene	10.079	112	116187	52.688	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	41130	54.775	ug/l	98
67) Ethyl Benzene	10.195	91	214566	52.409	ug/l	99
68) m/p-Xylenes	10.299	106	158466	105.246	ug/l	96
69) o-Xylene	10.640	106	77305	51.844	ug/l	96
70) Styrene	10.652	104	131432	53.959	ug/l	100
71) Bromoform	10.799	173	31427	55.739	ug/l #	99
73) Isopropylbenzene	10.963	105	134268	32.234	ug/l	100
74) N-amyl acetate	10.841	43	102895	47.389	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	55063	34.618	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	45392m	33.465	ug/l	
77) Bromobenzene	11.201	156	28315	30.530	ug/l	89
78) n-propylbenzene	11.305	91	171331	33.983	ug/l	95
79) 2-Chlorotoluene	11.366	91	97084	31.157	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	112796	31.883	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	13547	31.269	ug/l	94
82) 4-Chlorotoluene	11.457	91	112503	31.831	ug/l	98
83) tert-Butylbenzene	11.713	119	149593	44.290	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	158738	44.974	ug/l	99
85) sec-Butylbenzene	11.890	105	218790	49.902	ug/l	99
86) p-Isopropyltoluene	12.006	119	179218	51.144	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	91756	51.611	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	94096	51.245	ug/l	99
89) n-Butylbenzene	12.335	91	153443	45.337	ug/l	97
90) Hexachloroethane	12.536	117	26071	44.101	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	79936	45.480	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	13052	33.487	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	31767	29.576	ug/l	95
94) Hexachlorobutadiene	13.725	225	9894	22.159	ug/l	97
95) Naphthalene	13.774	128	133680	33.808	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	53810	49.639	ug/l	98

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

