

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082923\
 Data File : VX037330.D
 Acq On : 29 Aug 2023 10:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/30/2023
 Supervised By : Mahesh Dadoda 08/31/2023

Quant Time: Aug 30 02:04:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	127369	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	217348	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	205589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89811	48.910	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.820%		
35) Dibromofluoromethane	5.385	113	76367	53.053	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.100%		
50) Toluene-d8	8.647	98	267022	51.140	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.280%		
62) 4-Bromofluorobenzene	11.079	95	111376	54.278	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	81257	54.920	ug/l	99
3) Chloromethane	1.301	50	79111	61.119	ug/l	99
4) Vinyl Chloride	1.374	62	79609	56.503	ug/l	100
5) Bromomethane	1.599	94	42857	61.066	ug/l	97
6) Chloroethane	1.679	64	43336	52.269	ug/l	100
7) Trichlorofluoromethane	1.880	101	124574	53.976	ug/l	99
8) Diethyl Ether	2.130	74	50930	57.038	ug/l	76
9) 1,1,2-Trichlorotrifluo...	2.325	101	72896	54.141	ug/l	96
10) Methyl Iodide	2.447	142	94239	57.589	ug/l	94
11) Tert butyl alcohol	2.965	59	108186	251.162	ug/l #	91
12) 1,1-Dichloroethene	2.313	96	69482	52.994	ug/l	83
13) Acrolein	2.233	56	71219	217.340	ug/l	99
14) Allyl chloride	2.660	41	109979	54.193	ug/l #	89
15) Acrylonitrile	3.062	53	218275	283.909	ug/l	99
16) Acetone	2.380	43	206915	288.038	ug/l #	88
17) Carbon Disulfide	2.508	76	169699	50.883	ug/l	98
18) Methyl Acetate	2.703	43	144404	53.389	ug/l #	88
19) Methyl tert-butyl Ether	3.111	73	274977	55.298	ug/l	96
20) Methylene Chloride	2.788	84	87524	54.482	ug/l #	84
21) trans-1,2-Dichloroethene	3.087	96	78743	52.831	ug/l	88
22) Diisopropyl ether	3.757	45	227782	54.697	ug/l #	88
23) Vinyl Acetate	3.715	43	882377	276.500	ug/l #	90
24) 1,1-Dichloroethane	3.605	63	141675	54.251	ug/l	97
25) 2-Butanone	4.550	43	294845	272.592	ug/l #	87
26) 2,2-Dichloropropane	4.471	77	123669	53.026	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	96631	54.994	ug/l	87
28) Bromochloromethane	4.891	49	63024	54.024	ug/l #	72
29) Tetrahydrofuran	5.001	42	183051	265.372	ug/l #	82
30) Chloroform	5.093	83	158423	54.041	ug/l	98
31) Cyclohexane	5.464	56	112518	54.496	ug/l	89
32) 1,1,1-Trichloroethane	5.379	97	137092	52.186	ug/l	96
36) 1,1-Dichloropropene	5.690	75	107867	52.745	ug/l	97
37) Ethyl Acetate	4.708	43	110062	52.686	ug/l #	91
38) Carbon Tetrachloride	5.672	117	118730	53.446	ug/l	99
39) Methylcyclohexane	7.379	83	136499	63.528	ug/l	89
40) Benzene	6.038	78	331970	56.600	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	58245	53.633	ug/l #	86
42) 1,2-Dichloroethane	6.086	62	123972	53.899	ug/l	94
43) Isopropyl Acetate	6.336	43	181000	54.574	ug/l #	90
44) Trichloroethene	7.123	130	87909	52.858	ug/l	96
45) 1,2-Dichloropropane	7.428	63	82892	57.318	ug/l	99
46) Dibromomethane	7.580	93	64382	56.511	ug/l	93
47) Bromodichloromethane	7.818	83	123337	56.521	ug/l	97
48) Methyl methacrylate	7.690	41	88306	54.596	ug/l #	82
49) 1,4-Dioxane	7.659	88	50867	1167.733	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	560884	278.501	ug/l	89
52) Toluene	8.720	92	219611	56.670	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	134367	57.830	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	145240	57.845	ug/l #	85
55) 1,1,2-Trichloroethane	9.153	97	92313	58.500	ug/l	97
56) Ethyl methacrylate	9.116	69	143486	58.051	ug/l #	84
57) 1,3-Dichloropropane	9.305	76	154236	57.981	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	331919	279.827	ug/l	91
59) 2-Hexanone	9.427	43	441538	287.539	ug/l	86
60) Dibromochloromethane	9.519	129	100998	60.115	ug/l	100
61) 1,2-Dibromoethane	9.610	107	100226	58.011	ug/l	99
64) Tetrachloroethene	9.275	164	71640	47.767	ug/l	99
65) Chlorobenzene	10.079	112	238896	54.979	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	91069	56.786	ug/l	99
67) Ethyl Benzene	10.195	91	420216	54.960	ug/l	98
68) m/p-Xylenes	10.299	106	333921	113.092	ug/l	97
69) o-Xylene	10.640	106	165768	56.904	ug/l	98
70) Styrene	10.653	104	278920	58.125	ug/l	97
71) Bromoform	10.799	173	72969	60.828	ug/l #	100
73) Isopropylbenzene	10.963	105	424471	53.112	ug/l	98
74) N-amyl acetate	10.842	43	163094	52.520	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.213	83	150724	56.000	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	123738m	52.842	ug/l	
77) Bromobenzene	11.195	156	105381	53.990	ug/l	92
78) n-propylbenzene	11.305	91	488400	54.881	ug/l	98
79) 2-Chlorotoluene	11.366	91	304771	53.591	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	374755	56.212	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	46533	55.503	ug/l	85
82) 4-Chlorotoluene	11.451	91	351720	53.578	ug/l	98
83) tert-Butylbenzene	11.713	119	371580	58.443	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	378118	56.119	ug/l	98
85) sec-Butylbenzene	11.890	105	453835	61.111	ug/l	99
86) p-Isopropyltoluene	12.006	119	392126	61.336	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	203041	55.562	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	204343	54.124	ug/l	99
89) n-Butylbenzene	12.329	91	330426	62.340	ug/l	99
90) Hexachloroethane	12.536	117	68285	63.994	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	205236	57.355	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	35082	56.096	ug/l	82
93) 1,2,4-Trichlorobenzene	13.585	180	128200	61.229	ug/l	98
94) Hexachlorobutadiene	13.725	225	54329	67.166	ug/l	99
95) Naphthalene	13.774	128	458151	49.953	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	126717	60.916	ug/l	98

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

