

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081523\
 Data File : VX036978.D
 Acq On : 15 Aug 2023 11:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 15 16:52:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/16/2023
 Supervised By : Semsettin Yesilyurt 08/16/2023

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	132112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	225287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	97232	49.740	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.480%		
35) Dibromofluoromethane	5.385	113	81337	52.526	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.060%		
50) Toluene-d8	8.646	98	256162	46.649	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.300%		
62) 4-Bromofluorobenzene	11.079	95	110924	53.540	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	86589	49.614	ug/l	99
3) Chloromethane	1.300	50	70992	44.723	ug/l	99
4) Vinyl Chloride	1.373	62	79038	48.905	ug/l	99
5) Bromomethane	1.599	94	51227	53.092	ug/l	99
6) Chloroethane	1.678	64	51250	65.225	ug/l	96
7) Trichlorofluoromethane	1.885	101	144214	57.783	ug/l	97
8) Diethyl Ether	2.135	74	54183	56.115	ug/l	76
9) 1,1,2-Trichlorotrifluo...	2.324	101	81700	54.487	ug/l	98
10) Methyl Iodide	2.452	142	99175	63.679	ug/l	95
11) Tert butyl alcohol	2.965	59	122182	264.014	ug/l #	91
12) 1,1-Dichloroethene	2.318	96	75543	51.066	ug/l	90
13) Acrolein	2.239	56	64278	243.375	ug/l	99
14) Allyl chloride	2.660	41	127820	43.879	ug/l #	94
15) Acrylonitrile	3.062	53	246935	265.327	ug/l	99
16) Acetone	2.379	43	211599	260.858	ug/l	92
17) Carbon Disulfide	2.513	76	177900	43.572	ug/l	99
18) Methyl Acetate	2.702	43	174890	51.251	ug/l #	90
19) Methyl tert-butyl Ether	3.111	73	313845	56.456	ug/l	98
20) Methylene Chloride	2.788	84	90652	50.250	ug/l	89
21) trans-1,2-Dichloroethene	3.086	96	85841	51.920	ug/l	90
22) Diisopropyl ether	3.763	45	264331	47.791	ug/l #	82
23) Vinyl Acetate	3.720	43	1056390	248.992	ug/l #	92
24) 1,1-Dichloroethane	3.611	63	159610	51.470	ug/l	97
25) 2-Butanone	4.556	43	339472	257.944	ug/l	91
26) 2,2-Dichloropropane	4.476	77	144543	49.467	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	105252	53.597	ug/l	92
28) Bromochloromethane	4.897	49	69515	46.351	ug/l #	80
29) Tetrahydrofuran	5.001	42	213259	251.338	ug/l #	86
30) Chloroform	5.092	83	178862	56.377	ug/l	97
31) Cyclohexane	5.464	56	118289	43.704	ug/l	89
32) 1,1,1-Trichloroethane	5.379	97	159942	55.019	ug/l	97
36) 1,1-Dichloropropene	5.690	75	120741	52.313	ug/l	98
37) Ethyl Acetate	4.714	43	133431	51.077	ug/l #	95
38) Carbon Tetrachloride	5.677	117	137180	55.906	ug/l	97
39) Methylcyclohexane	7.378	83	127227	44.331	ug/l	92
40) Benzene	6.037	78	354958	52.860	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	72678	52.018	ug/l #	90
42) 1,2-Dichloroethane	6.086	62	144990	59.056	ug/l	96
43) Isopropyl Acetate	6.342	43	222495	49.479	ug/l #	93
44) Trichloroethene	7.122	130	99065	56.439	ug/l	99
45) 1,2-Dichloropropane	7.427	63	92128	51.386	ug/l	99
46) Dibromomethane	7.580	93	73216	58.350	ug/l	95
47) Bromodichloromethane	7.823	83	143352	55.658	ug/l	98
48) Methyl methacrylate	7.689	41	107407	51.360	ug/l #	88
49) 1,4-Dioxane	7.659	88	46506	1100.814	ug/l #	88
51) 4-Methyl-2-Pentanone	8.573	43	656196	263.692	ug/l	92
52) Toluene	8.720	92	232672	55.298	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	158049	54.293	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	164541	53.565	ug/l #	89
55) 1,1,2-Trichloroethane	9.152	97	102168	57.765	ug/l	97
56) Ethyl methacrylate	9.116	69	162144	56.299	ug/l	90
57) 1,3-Dichloropropane	9.305	76	168959	57.354	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	349913	246.574	ug/l	94
59) 2-Hexanone	9.427	43	499117	270.250	ug/l	91
60) Dibromochloromethane	9.518	129	113372	58.319	ug/l	99
61) 1,2-Dibromoethane	9.610	107	108368	59.118	ug/l	100
64) Tetrachloroethene	9.274	164	89312	57.821	ug/l	99
65) Chlorobenzene	10.079	112	252421	55.297	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.164	131	101551	57.557	ug/l	99
67) Ethyl Benzene	10.195	91	446205	53.508	ug/l	98
68) m/p-Xylenes	10.299	106	342453	110.064	ug/l	99
69) o-Xylene	10.640	106	170214	54.807	ug/l	100
70) Styrene	10.652	104	289048	56.410	ug/l	98
71) Bromoform	10.798	173	83903	58.746	ug/l #	99
73) Isopropylbenzene	10.963	105	435730	49.200	ug/l	98
74) N-amyl acetate	10.841	43	186938	45.265	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	154039	51.497	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	131310m	52.168	ug/l	
77) Bromobenzene	11.195	156	107098	53.101	ug/l	94
78) n-propylbenzene	11.304	91	495280	48.356	ug/l	99
79) 2-Chlorotoluene	11.365	91	310335	50.002	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	372656	50.298	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	51985	46.811	ug/l	88
82) 4-Chlorotoluene	11.451	91	365234	51.648	ug/l	99
83) tert-Butylbenzene	11.713	119	351447	48.286	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	375010	50.612	ug/l	98
85) sec-Butylbenzene	11.890	105	424806	46.800	ug/l	98
86) p-Isopropyltoluene	12.006	119	365623	48.953	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	201178	53.856	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	205162	55.342	ug/l	99
89) n-Butylbenzene	12.329	91	313302	46.859	ug/l	99
90) Hexachloroethane	12.536	117	65523	43.274	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	200475	55.614	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	37549	54.020	ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	120149	54.100	ug/l	97
94) Hexachlorobutadiene	13.725	225	45871	49.925	ug/l	99
95) Naphthalene	13.774	128	453498	58.597	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	119203	54.458	ug/l	98

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

