

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072123\
 Data File : VX036601.D
 Acq On : 21 Jul 2023 10:09
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Jul 21 11:48:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 11:46:25 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/24/2023
 Supervised By : Mahesh Dadoda 07/24/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	195478	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	338672	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	299908	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	136986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	17330	6.145	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	12.280%#		
35) Dibromofluoromethane	5.391	113	13554	6.031	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	12.060%#		
50) Toluene-d8	8.647	98	46960	5.648	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	11.300%#		
62) 4-Bromofluorobenzene	11.079	95	16778	5.582	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	11.160%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	13341	6.806	ug/l	99
3) Chloromethane	1.294	50	12447	4.086	ug/l	96
4) Vinyl Chloride	1.374	62	12584	3.788	ug/l	99
5) Bromomethane	1.618	94	8009	3.405	ug/l	98
6) Chloroethane	1.691	64	6175	2.619	ug/l	92
7) Trichlorofluoromethane	1.886	101	19308	3.807	ug/l	95
8) Diethyl Ether	2.136	74	7334	3.771	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	11378	5.103	ug/l	100
10) Methyl Iodide	2.453	142	10047	3.816	ug/l	91
11) Tert butyl alcohol	2.995	59	17973m	32.920	ug/l	
12) 1,1-Dichloroethene	2.319	96	11169	5.050	ug/l	91
13) Acrolein	2.239	56	10977	16.990	ug/l	100
14) Allyl chloride	2.666	41	22287	6.007	ug/l	94
15) Acrylonitrile	3.068	53	34722	26.493	ug/l	100
16) Acetone	2.392	43	29351	24.311	ug/l #	88
17) Carbon Disulfide	2.514	76	31944	5.751	ug/l	97
18) Methyl Acetate	2.709	43	25141	5.064	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	42280	5.760	ug/l	98
20) Methylene Chloride	2.788	84	13682	5.284	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	12580	5.272	ug/l	93
22) Diisopropyl ether	3.764	45	42889	5.814	ug/l	94
23) Vinyl Acetate	3.721	43	165388	30.571	ug/l	98
24) 1,1-Dichloroethane	3.611	63	23432	5.427	ug/l	98
25) 2-Butanone	4.568	43	48306	27.379	ug/l	97
26) 2,2-Dichloropropane	4.477	77	22202	6.878	ug/l	93
27) cis-1,2-Dichloroethene	4.495	96	14533	5.393	ug/l	96
28) Bromochloromethane	4.904	49	12320	5.498	ug/l	99
29) Tetrahydrofuran	5.019	42	31414	27.830	ug/l	97
30) Chloroform	5.093	83	23702	5.438	ug/l	91
31) Cyclohexane	5.471	56	21055	5.727	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	22246	6.020	ug/l	98
36) 1,1-Dichloropropene	5.690	75	17854	5.315	ug/l	99
37) Ethyl Acetate	4.715	43	20015	5.726	ug/l #	95
38) Carbon Tetrachloride	5.678	117	18439	5.874	ug/l	99
39) Methylcyclohexane	7.379	83	21934	5.441	ug/l	93
40) Benzene	6.037	78	52512	5.561	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	10638	5.524	ug/l #	88
42) 1,2-Dichloroethane	6.092	62	18958	5.313	ug/l	90
43) Isopropyl Acetate	6.342	43	34187	6.073	ug/l	98
44) Trichloroethene	7.129	130	13625	5.233	ug/l	100
45) 1,2-Dichloropropane	7.434	63	13744	5.372	ug/l	98
46) Dibromomethane	7.580	93	9707	5.381	ug/l	100
47) Bromodichloromethane	7.818	83	20123	6.068	ug/l	98
48) Methyl methacrylate	7.696	41	15679	5.641	ug/l	91
49) 1,4-Dioxane	7.702	88	6628	109.518	ug/l #	95
51) 4-Methyl-2-Pentanone	8.574	43	99040	27.951	ug/l	98
52) Toluene	8.720	92	32377	5.415	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	22316	6.505	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	23539	6.173	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	13314	5.367	ug/l	99
56) Ethyl methacrylate	9.116	69	22276	5.882	ug/l	97
57) 1,3-Dichloropropane	9.305	76	23126	5.429	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	56009	27.262	ug/l	99
59) 2-Hexanone	9.433	43	72016	27.786	ug/l	95
60) Dibromochloromethane	9.519	129	14791	5.986	ug/l	98
61) 1,2-Dibromoethane	9.610	107	14198	5.396	ug/l	99
64) Tetrachloroethene	9.275	164	11617	5.421	ug/l	99
65) Chlorobenzene	10.079	112	33917	5.325	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	13059	5.954	ug/l	95
67) Ethyl Benzene	10.195	91	62012	5.452	ug/l	99
68) m/p-Xylenes	10.299	106	46388	10.554	ug/l	100
69) o-Xylene	10.640	106	23529	5.495	ug/l	98
70) Styrene	10.659	104	38009	5.424	ug/l	99
71) Bromoform	10.799	173	10652	6.577	ug/l #	98
73) Isopropylbenzene	10.963	105	59432	5.710	ug/l	100
74) N-amyl acetate	10.841	43	28249	6.674	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	19902	5.642	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	16649m	5.595	ug/l	
77) Bromobenzene	11.201	156	13746	5.391	ug/l	97
78) n-propylbenzene	11.305	91	67637	5.554	ug/l	100
79) 2-Chlorotoluene	11.366	91	41548	5.721	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	50345	5.707	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	7216	7.205	ug/l	86
82) 4-Chlorotoluene	11.451	91	46405	5.506	ug/l	99
83) tert-Butylbenzene	11.713	119	49109	5.787	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	49098	5.615	ug/l	95
85) sec-Butylbenzene	11.890	105	60344	5.616	ug/l	100
86) p-Isopropyltoluene	12.006	119	49434	5.496	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	24737	5.278	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	24580	5.154	ug/l	95
89) n-Butylbenzene	12.329	91	42815	5.341	ug/l	99
90) Hexachloroethane	12.536	117	9724	6.764	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	24008	5.214	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	4409	6.375	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	13743	4.846	ug/l	96
94) Hexachlorobutadiene	13.725	225	5727	4.917	ug/l	97
95) Naphthalene	13.774	128	49227	5.238	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	13461	4.874	ug/l	97

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

