

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061623\
 Data File : VX036179.D
 Acq On : 16 Jun 2023 12:50
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/16/2023
 Supervised By : Mahesh Dadoda 06/19/2023

Quant Time: Jun 16 14:53:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 16 14:52:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	179648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	347805	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	310417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	149998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	18091	5.511	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	11.020%#		
35) Dibromofluoromethane	5.385	113	12084	5.124	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.240%#		
50) Toluene-d8	8.647	98	46180	5.353	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.700%#		
62) 4-Bromofluorobenzene	11.079	95	17360	4.985	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.960%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	10991	4.984	ug/l	99
3) Chloromethane	1.294	50	12065	5.171	ug/l	97
4) Vinyl Chloride	1.374	62	10825	4.870	ug/l	94
5) Bromomethane	1.617	94	7048	5.159	ug/l	94
6) Chloroethane	1.691	64	7097	4.935	ug/l	98
7) Trichlorofluoromethane	1.886	101	16423	4.566	ug/l	96
8) Diethyl Ether	2.136	74	6810	5.087	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	9974	4.862	ug/l	96
10) Methyl Iodide	2.453	142	8429	3.985	ug/l	98
11) Tert butyl alcohol	2.995	59	12291m	24.481	ug/l	
12) 1,1-Dichloroethene	2.319	96	9402	4.847	ug/l	95
13) Acrolein	2.239	56	15776	28.305	ug/l	99
14) Allyl chloride	2.666	41	17992	4.584	ug/l	95
15) Acrylonitrile	3.068	53	32413	25.245	ug/l	99
16) Acetone	2.386	43	34115	21.917	ug/l	98
17) Carbon Disulfide	2.514	76	21019	4.384	ug/l	98
18) Methyl Acetate	2.703	43	25538	4.937	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	37384	4.923	ug/l	99
20) Methylene Chloride	2.788	84	12412	5.023	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	10943	5.078	ug/l	99
22) Diisopropyl ether	3.757	45	38526	4.933	ug/l	93
23) Vinyl Acetate	3.721	43	127730	23.076	ug/l	99
24) 1,1-Dichloroethane	3.605	63	20953	4.856	ug/l	98
25) 2-Butanone	4.562	43	47575	24.918	ug/l	98
26) 2,2-Dichloropropane	4.477	77	14916	4.445	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	12589	5.108	ug/l	99
28) Bromochloromethane	4.897	49	10861	4.828	ug/l	94
29) Tetrahydrofuran	5.019	42	30558	25.199	ug/l	98
30) Chloroform	5.092	83	23022	5.066	ug/l	96
31) Cyclohexane	5.470	56	16020	4.549	ug/l	94
32) 1,1,1-Trichloroethane	5.391	97	18041	4.683	ug/l	97
36) 1,1-Dichloropropene	5.696	75	15702	4.520	ug/l	99
37) Ethyl Acetate	4.721	43	18574	4.589	ug/l	99
38) Carbon Tetrachloride	5.672	117	14198	4.204	ug/l	92
39) Methylcyclohexane	7.385	83	15628	4.177	ug/l	94
40) Benzene	6.037	78	46862	4.797	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	9732	4.361	ug/l	97
42) 1,2-Dichloroethane	6.086	62	20165	4.582	ug/l	98
43) Isopropyl Acetate	6.342	43	27051	4.367	ug/l	99
44) Trichloroethene	7.129	130	11603	4.753	ug/l	92
45) 1,2-Dichloropropane	7.427	63	12126	4.668	ug/l	99
46) Dibromomethane	7.586	93	8820	4.767	ug/l	96
47) Bromodichloromethane	7.824	83	14962	4.212	ug/l	98
48) Methyl methacrylate	7.690	41	13410	4.219	ug/l	98
49) 1,4-Dioxane	7.702	88	4469	83.985	ug/l #	93
51) 4-Methyl-2-Pentanone	8.573	43	93134	23.811	ug/l	96
52) Toluene	8.720	92	28957	4.734	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	14431	5.655	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	16861	5.298	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	12076	4.782	ug/l #	85
56) Ethyl methacrylate	9.116	69	16668	5.666	ug/l	94
57) 1,3-Dichloropropane	9.311	76	21097	4.696	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	51177	24.341	ug/l	100
59) 2-Hexanone	9.433	43	68658	23.611	ug/l	95
60) Dibromochloromethane	9.518	129	9938	4.032	ug/l	99
61) 1,2-Dibromoethane	9.610	107	12247	4.651	ug/l	95
64) Tetrachloroethene	9.275	164	8949	4.634	ug/l	95
65) Chlorobenzene	10.079	112	31592	4.911	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.165	131	9789	4.410	ug/l	95
67) Ethyl Benzene	10.195	91	53731	4.677	ug/l	98
68) m/p-Xylenes	10.299	106	41720	9.626	ug/l	99
69) o-Xylene	10.640	106	20400	4.771	ug/l	94
70) Styrene	10.659	104	32746	4.596	ug/l	99
71) Bromoform	10.799	173	5905	5.914	ug/l #	96
73) Isopropylbenzene	10.963	105	50597	4.546	ug/l	100
74) N-amyl acetate	10.841	43	21866	4.347	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	19079	5.006	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	16132m	4.328	ug/l	
77) Bromobenzene	11.201	156	12294	4.715	ug/l	94
78) n-propylbenzene	11.305	91	57772	4.412	ug/l	98
79) 2-Chlorotoluene	11.366	91	38147	4.632	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	42862	4.523	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	3178	7.909	ug/l #	66
82) 4-Chlorotoluene	11.457	91	44171	4.603	ug/l	98
83) tert-Butylbenzene	11.713	119	39069	4.336	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	43954	4.650	ug/l	97
85) sec-Butylbenzene	11.890	105	49896	4.448	ug/l	99
86) p-Isopropyltoluene	12.006	119	41321	4.378	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	24260	4.878	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	24557	4.895	ug/l	94
89) n-Butylbenzene	12.329	91	35478	4.212	ug/l	97
90) Hexachloroethane	12.536	117	6062	5.275	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	24218	4.962	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	3572	4.249	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	12491	4.515	ug/l	94
94) Hexachlorobutadiene	13.725	225	4936	4.513	ug/l	95
95) Naphthalene	13.774	128	40281	4.221	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	12764	4.601	ug/l	98

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

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