

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030722\
 Data File : VX027320.D
 Acq On : 07 Mar 2022 12:35
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/08/2022
 Supervised By : Mahesh Dadoda 03/08/2022

Quant Time: Mar 07 14:03:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030722W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 07 14:02:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	63778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	97169	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	90716	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	44657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	3709	4.808	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	9.620%#		
35) Dibromofluoromethane	5.397	113	2971	4.866	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	9.740%#		
50) Toluene-d8	8.653	98	11313	4.997	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.000%#		
62) 4-Bromofluorobenzene	11.085	95	4260	4.891	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.780%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	3558	5.524	ug/l	97
3) Chloromethane	1.294	50	2999	5.183	ug/l	99
4) Vinyl Chloride	1.374	62	2773	4.844	ug/l	99
5) Bromomethane	1.599	94	1472	5.435	ug/l	99
6) Chloroethane	1.678	64	1823	5.175	ug/l	99
7) Trichlorofluoromethane	1.886	101	4950	5.438	ug/l	89
8) Diethyl Ether	2.136	74	1491	4.825	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.325	101	3304	5.250	ug/l	92
10) Methyl Iodide	2.453	142	2689	3.225	ug/l	98
11) Tert butyl alcohol	2.977	59	3665	24.672	ug/l	100
12) 1,1-Dichloroethene	2.319	96	3163	5.184	ug/l	90
13) Acrolein	2.239	56	3647	27.398	ug/l	97
14) Allyl chloride	2.666	41	5175	4.863	ug/l	96
15) Acrylonitrile	3.068	53	9299	24.812	ug/l	98
16) Acetone	2.386	43	8916	26.797	ug/l	98
17) Carbon Disulfide	2.508	76	8268	5.190	ug/l	98
18) Methyl Acetate	2.709	43	4041	4.761	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	10489	5.023	ug/l	98
20) Methylene Chloride	2.794	84	3592	5.232	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	3448	5.280	ug/l	92
22) Diisopropyl ether	3.770	45	9913	4.798	ug/l #	91
23) Vinyl Acetate	3.727	43	41786	23.881	ug/l #	94
24) 1,1-Dichloroethane	3.611	63	6030	5.101	ug/l	99
25) 2-Butanone	4.568	43	13220	25.174	ug/l	93
26) 2,2-Dichloropropane	4.477	77	4695	5.409	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	4057	5.375	ug/l	90
28) Bromochloromethane	4.903	49	2378	4.991	ug/l #	87
29) Tetrahydrofuran	5.013	42	8148	23.281	ug/l	89
30) Chloroform	5.111	83	6438	5.212	ug/l	95
31) Cyclohexane	5.470	56	5398	4.874	ug/l	89
32) 1,1,1-Trichloroethane	5.379	97	5703	5.326	ug/l	96
36) 1,1-Dichloropropene	5.702	75	4786	5.499	ug/l	96
37) Ethyl Acetate	4.727	43	4977	5.228	ug/l	98
38) Carbon Tetrachloride	5.684	117	5185	5.660	ug/l	93
39) Methylcyclohexane	7.379	83	5738	5.317	ug/l	93
40) Benzene	6.043	78	14107	5.554	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	2657	5.087	ug/l	94
42) 1,2-Dichloroethane	6.092	62	5024	5.514	ug/l	99
43) Isopropyl Acetate	6.342	43	7513	5.148	ug/l	98
44) Trichloroethene	7.135	130	4235	5.565	ug/l	79
45) 1,2-Dichloropropane	7.433	63	3230	5.218	ug/l	98
46) Dibromomethane	7.586	93	2554	5.697	ug/l	92
47) Bromodichloromethane	7.824	83	4687	5.337	ug/l #	98
48) Methyl methacrylate	7.702	41	3821	5.392	ug/l	92
49) 1,4-Dioxane	7.665	88	2039	123.971	ug/l #	88
51) 4-Methyl-2-Pentanone	8.580	43	25389	26.663	ug/l	96
52) Toluene	8.720	92	9219	5.642	ug/l	96
53) t-1,3-Dichloropropene	8.982	75	4164	4.838	ug/l	98
54) cis-1,3-Dichloropropene	8.372	75	4976	5.102	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	3948	6.093	ug/l	92
56) Ethyl methacrylate	9.122	69	5000	4.985	ug/l	91
57) 1,3-Dichloropropane	9.311	76	5967	5.557	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	11416	23.562	ug/l	92
59) 2-Hexanone	9.433	43	18726	25.660	ug/l	95
60) Dibromochloromethane	9.525	129	3670	5.400	ug/l	98
61) 1,2-Dibromoethane	9.610	107	3876	5.625	ug/l	97
64) Tetrachloroethene	9.275	164	4171	5.201	ug/l	94
65) Chlorobenzene	10.079	112	10133	5.531	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	3715	5.565	ug/l	98
67) Ethyl Benzene	10.195	91	17395	5.420	ug/l	99
68) m/p-Xylenes	10.305	106	13862	11.201	ug/l	96
69) o-Xylene	10.640	106	6791	5.478	ug/l	91
70) Styrene	10.659	104	10716	5.295	ug/l	96
71) Bromoform	10.805	173	2518	4.941	ug/l #	96
73) Isopropylbenzene	10.963	105	17222	5.472	ug/l	100
74) N-amyl acetate	10.848	43	5663	4.744	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	5384	5.757	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	5041m	5.668	ug/l	
77) Bromobenzene	11.201	156	4744	6.018	ug/l	85
78) n-propylbenzene	11.305	91	19194	5.369	ug/l	98
79) 2-Chlorotoluene	11.366	91	12429	5.672	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	14807	5.597	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	1210	4.371	ug/l	99
82) 4-Chlorotoluene	11.457	91	13918	5.555	ug/l	95
83) tert-Butylbenzene	11.719	119	15015	5.806	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	14506	5.433	ug/l	97
85) sec-Butylbenzene	11.890	105	17550	5.439	ug/l	99
86) p-Isopropyltoluene	12.012	119	15224	5.510	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	8304	5.610	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	8693	5.719	ug/l	92
89) n-Butylbenzene	12.335	91	11871	5.181	ug/l	97
90) Hexachloroethane	12.542	117	2230	5.209	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	8353	5.782	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1131	5.197	ug/l	86
93) 1,2,4-Trichlorobenzene	13.591	180	5017	5.485	ug/l	98
94) Hexachlorobutadiene	13.725	225	2177	5.750	ug/l	98
95) Naphthalene	13.780	128	15607	5.038	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	5216	5.687	ug/l	98

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

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