

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041222\
 Data File : VX028047.D
 Acq On : 12 Apr 2022 11:10
 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 04/13/2022
 Supervised By : Mahesh Dadoda 04/13/2022

Quant Time: Apr 12 12:26:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 12 12:23:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	168804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	278493	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	260196	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	126534	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	12316	4.935	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	9.860%#		
35) Dibromofluoromethane	5.397	113	9197	4.971	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	9.940%#		
50) Toluene-d8	8.653	98	34676	5.176	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	10.360%#		
62) 4-Bromofluorobenzene	11.079	95	11476	4.091	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	8.180%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	8659	3.830	ug/l	93
3) Chloromethane	1.288	50	9520	4.822	ug/l	99
4) Vinyl Chloride	1.374	62	11319	5.708	ug/l	98
5) Bromomethane	1.599	94	16571	13.669	ug/l	97
6) Chloroethane	1.678	64	9258	6.756	ug/l	97
7) Trichlorofluoromethane	1.886	101	22899	6.721	ug/l	93
8) Diethyl Ether	2.136	74	8306	7.099	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.325	101	8801	4.621	ug/l	94
10) Methyl Iodide	2.447	142	7832	3.695	ug/l	93
11) Tert butyl alcohol	2.971	59	13736	29.694	ug/l #	83
12) 1,1-Dichloroethene	2.319	96	8876	4.933	ug/l	94
13) Acrolein	2.239	56	10428	27.016	ug/l	99
14) Allyl chloride	2.666	41	15275	5.142	ug/l	88
15) Acrylonitrile	3.062	53	28081	25.839	ug/l	96
16) Acetone	2.380	43	25056	24.031	ug/l	92
17) Carbon Disulfide	2.508	76	20844	4.482	ug/l	99
18) Methyl Acetate	2.703	43	13321	5.051	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	31979	5.103	ug/l	96
20) Methylene Chloride	2.788	84	9990	4.857	ug/l #	87
21) trans-1,2-Dichloroethene	3.093	96	9744	5.291	ug/l	98
22) Diisopropyl ether	3.757	45	30923	4.929	ug/l #	64
23) Vinyl Acetate	3.721	43	134186	24.299	ug/l	94
24) 1,1-Dichloroethane	3.611	63	17258	4.871	ug/l	95
25) 2-Butanone	4.562	43	42137	25.305	ug/l	92
26) 2,2-Dichloropropane	4.471	77	16165	5.485	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	11746	5.496	ug/l	99
28) Bromochloromethane	4.903	49	8124	5.402	ug/l #	88
29) Tetrahydrofuran	5.013	42	27174	25.592	ug/l	88
30) Chloroform	5.099	83	18844	4.888	ug/l	87
31) Cyclohexane	5.477	56	16177	5.221	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	16825	4.974	ug/l	96
36) 1,1-Dichloropropene	5.690	75	13625	4.967	ug/l	98
37) Ethyl Acetate	4.721	43	15171	4.679	ug/l	98
38) Carbon Tetrachloride	5.684	117	14290	4.835	ug/l	87
39) Methylcyclohexane	7.385	83	16438	5.140	ug/l	98
40) Benzene	6.037	78	41314	5.339	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	8412	4.981	ug/l	91
42) 1,2-Dichloroethane	6.086	62	15090	4.688	ug/l	100
43) Isopropyl Acetate	6.342	43	26353	5.346	ug/l	93
44) Trichloroethene	7.129	130	11147	5.403	ug/l	99
45) 1,2-Dichloropropane	7.434	63	10500	5.447	ug/l	99
46) Dibromomethane	7.586	93	7448	4.842	ug/l	93
47) Bromodichloromethane	7.824	83	13926	4.904	ug/l	98
48) Methyl methacrylate	7.696	41	12267	5.004	ug/l #	79
49) 1,4-Dioxane	7.665	88	5706	116.278	ug/l #	91
51) 4-Methyl-2-Pentanone	8.574	43	84658	26.402	ug/l	88
52) Toluene	8.720	92	24907	4.964	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	14942	5.188	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	16384	5.348	ug/l #	91
55) 1,1,2-Trichloroethane	9.153	97	10358	5.263	ug/l	97
56) Ethyl methacrylate	9.116	69	16095	5.200	ug/l #	74
57) 1,3-Dichloropropane	9.311	76	17695	5.255	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	36917	25.620	ug/l	99
59) 2-Hexanone	9.433	43	62604	24.347	ug/l	89
60) Dibromochloromethane	9.525	129	10216	4.995	ug/l	97
61) 1,2-Dibromoethane	9.610	107	10974	5.014	ug/l	96
64) Tetrachloroethene	9.275	164	10966	5.705	ug/l	96
65) Chlorobenzene	10.079	112	28027	5.128	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	10386	5.193	ug/l	100
67) Ethyl Benzene	10.195	91	48685	4.877	ug/l	98
68) m/p-Xylenes	10.305	106	37973	10.010	ug/l	99
69) o-Xylene	10.646	106	18788	5.038	ug/l	97
70) Styrene	10.659	104	29648	4.795	ug/l	95
71) Bromoform	10.799	173	7317	4.867	ug/l #	99
73) Isopropylbenzene	10.963	105	48238	4.951	ug/l	97
74) N-amyl acetate	10.848	43	20477	4.741	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.213	83	17480	5.315	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	14786m	4.766	ug/l	
77) Bromobenzene	11.201	156	11637	5.028	ug/l	99
78) n-propylbenzene	11.305	91	54463	4.690	ug/l	99
79) 2-Chlorotoluene	11.366	91	32936	4.638	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	38736	4.634	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	4579	5.014	ug/l #	77
82) 4-Chlorotoluene	11.457	91	36579	4.400	ug/l	99
83) tert-Butylbenzene	11.719	119	39347	5.037	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	38778	4.627	ug/l	99
85) sec-Butylbenzene	11.890	105	48506	4.907	ug/l	100
86) p-Isopropyltoluene	12.012	119	40345	4.871	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	21790	5.023	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	22768	5.074	ug/l	95
89) n-Butylbenzene	12.335	91	34069	4.591	ug/l	95
90) Hexachloroethane	12.542	117	6461	5.038	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	22087	5.226	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	3311	4.046	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	12358	4.818	ug/l	99
94) Hexachlorobutadiene	13.725	225	5254	4.488	ug/l	96
95) Naphthalene	13.780	128	43579	4.927	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	12286	4.884	ug/l	95

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

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