

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100322\
 Data File : VX031826.D
 Acq On : 03 Oct 2022 10:36
 Operator : JC/MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/04/2022
 Supervised By : Mahesh Dadoda 10/06/2022

Quant Time: Oct 04 06:29:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 06:27:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	87825	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	131698	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	149531	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	11557	6.218	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	12.440%#		
35) Dibromofluoromethane	5.385	113	10431	5.674	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	11.340%#		
50) Toluene-d8	8.647	98	35991	5.560	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	11.120%#		
62) 4-Bromofluorobenzene	11.079	95	12525	5.320	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.640%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	13318	10.871	ug/l	98
3) Chloromethane	1.288	50	13319	10.164	ug/l	95
4) Vinyl Chloride	1.373	62	17429	10.648	ug/l	98
5) Bromomethane	1.611	94	12841	9.455	ug/l	99
6) Chloroethane	1.690	64	12834	7.554	ug/l	97
7) Trichlorofluoromethane	1.886	101	33428	10.110	ug/l	99
8) Diethyl Ether	2.129	74	10938	9.654	ug/l	79
9) 1,1,2-Trichlorotrifluo...	2.331	101	13766	9.586	ug/l	90
10) Methyl Iodide	2.453	142	12891	8.353	ug/l	99
11) Tert butyl alcohol	2.995	59	12535m	50.434	ug/l	
12) 1,1-Dichloroethene	2.318	96	12982	9.553	ug/l	89
13) Acrolein	2.239	56	6461	42.087	ug/l	96
14) Allyl chloride	2.666	41	16361	9.331	ug/l #	90
15) Acrylonitrile	3.068	53	30562	46.531	ug/l	98
16) Acetone	2.392	43	24342	47.710	ug/l	94
17) Carbon Disulfide	2.513	76	35667	9.598	ug/l	99
18) Methyl Acetate	2.709	43	16121	9.523	ug/l	91
19) Methyl tert-butyl Ether	3.111	73	41966	9.135	ug/l	98
20) Methylene Chloride	2.788	84	14976	9.562	ug/l #	79
21) trans-1,2-Dichloroethene	3.093	96	15020	9.281	ug/l	88
22) Diisopropyl ether	3.757	45	35895	9.555	ug/l #	84
23) Vinyl Acetate	3.721	43	129435	45.398	ug/l #	90
24) 1,1-Dichloroethane	3.611	63	23597	9.396	ug/l	98
25) 2-Butanone	4.562	43	39039	47.377	ug/l #	86
26) 2,2-Dichloropropane	4.477	77	20230	9.503	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	17687	9.330	ug/l	81
28) Bromochloromethane	4.903	49	6363	6.103	ug/l #	71
29) Tetrahydrofuran	5.019	42	25074	49.059	ug/l #	85
30) Chloroform	5.098	83	28610	9.474	ug/l	93
31) Cyclohexane	5.470	56	19631	9.732	ug/l	89
32) 1,1,1-Trichloroethane	5.379	97	26812	9.551	ug/l	96
36) 1,1-Dichloropropene	5.696	75	19830	9.423	ug/l	94
37) Ethyl Acetate	4.720	43	14874	9.011	ug/l	95
38) Carbon Tetrachloride	5.678	117	24793	9.485	ug/l	93
39) Methylcyclohexane	7.378	83	23794	9.600	ug/l	89
40) Benzene	6.037	78	57920	9.284	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	8003	8.918	ug/l #	85
42) 1,2-Dichloroethane	6.086	62	20659	9.411	ug/l	95
43) Isopropyl Acetate	6.342	43	24425	9.071	ug/l #	92
44) Trichloroethene	7.128	130	18180	9.058	ug/l	92
45) 1,2-Dichloropropane	7.433	63	13276	9.039	ug/l	96
46) Dibromomethane	7.586	93	11824	9.517	ug/l	91
47) Bromodichloromethane	7.824	83	23075	9.369	ug/l	97
48) Methyl methacrylate	7.695	41	11381	9.440	ug/l #	88
49) 1,4-Dioxane	7.702	88	7539	195.483	ug/l #	85
51) 4-Methyl-2-Pentanone	8.573	43	80296	47.830	ug/l	92
52) Toluene	8.720	92	40377	9.256	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	20649	8.721	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	23098	8.916	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	16515	9.319	ug/l	93
56) Ethyl methacrylate	9.116	69	18978	9.115	ug/l #	84
57) 1,3-Dichloropropane	9.311	76	25376	9.280	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.244	63	47069	44.155	ug/l #	86
59) 2-Hexanone	9.433	43	58180	47.645	ug/l	88
60) Dibromochloromethane	9.524	129	19235	8.848	ug/l	98
61) 1,2-Dibromoethane	9.610	107	17639	8.948	ug/l	97
64) Tetrachloroethene	9.274	164	17612	8.527	ug/l	96
65) Chlorobenzene	10.079	112	45681	9.023	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	17495	8.888	ug/l	98
67) Ethyl Benzene	10.195	91	75273	9.158	ug/l	98
68) m/p-Xylenes	10.305	106	63275	18.575	ug/l	94
69) o-Xylene	10.640	106	30594	9.266	ug/l	93
70) Styrene	10.658	104	49456	9.132	ug/l	94
71) Bromoform	10.799	173	13923	8.222	ug/l #	100
73) Isopropylbenzene	10.963	105	78693	9.446	ug/l	100
74) N-amyl acetate	10.841	43	18532	9.051	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.213	83	23763	9.785	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	20098m	9.751	ug/l	
77) Bromobenzene	11.201	156	20156	8.850	ug/l	90
78) n-propylbenzene	11.305	91	87944	9.697	ug/l	98
79) 2-Chlorotoluene	11.366	91	52991	9.557	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	65835	9.423	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	5832	8.552	ug/l	89
82) 4-Chlorotoluene	11.457	91	60166	9.388	ug/l	94
83) tert-Butylbenzene	11.713	119	64429	9.177	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	66894	9.576	ug/l	98
85) sec-Butylbenzene	11.890	105	79753	9.600	ug/l	98
86) p-Isopropyltoluene	12.012	119	70825	9.685	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	38552	9.101	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	40383	9.152	ug/l	98
89) n-Butylbenzene	12.335	91	54496	9.520	ug/l	98
90) Hexachloroethane	12.536	117	12092	9.115	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	37545	8.858	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	5002	9.751	ug/l	77
93) 1,2,4-Trichlorobenzene	13.585	180	21201	8.232	ug/l	95
94) Hexachlorobutadiene	13.725	225	9286	9.123	ug/l	98
95) Naphthalene	13.774	128	75289	9.224	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	21815	8.694	ug/l	98

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

