

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
 Data File : VX031304.D
 Acq On : 14 Sep 2022 12:49
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/15/2022
 Supervised By : Mahesh Dadoda 09/15/2022

Quant Time: Sep 15 01:25:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 01:23:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	53783	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	92481	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	97588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60544	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	7261	5.500	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	11.000%#
35) Dibromofluoromethane	5.385	113	4825	4.854	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	9.700%#
50) Toluene-d8	8.647	98	18327	4.915	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	9.820%#
62) 4-Bromofluorobenzene	11.085	95	6561	4.805	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	9.600%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	3008	5.180	ug/l	97
3) Chloromethane	1.288	50	4183	4.708	ug/l	99
4) Vinyl Chloride	1.374	62	4489	4.777	ug/l	99
5) Bromomethane	1.611	94	3742	5.310	ug/l	98
6) Chloroethane	1.685	64	3810	4.790	ug/l	93
7) Trichlorofluoromethane	1.886	101	8260	4.795	ug/l	92
8) Diethyl Ether	2.130	74	3677	4.912	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	4148	5.092	ug/l	98
10) Methyl Iodide	2.453	142	3204	4.058	ug/l	98
11) Tert butyl alcohol	2.947	59	11386m	35.969	ug/l	
12) 1,1-Dichloroethene	2.319	96	3564	4.746	ug/l	88
13) Acrolein	2.239	56	5217	34.246	ug/l	93
14) Allyl chloride	2.660	41	8592	5.180	ug/l	94
15) Acrylonitrile	3.068	53	14088	23.138	ug/l	100
16) Acetone	2.392	43	13429	23.829	ug/l	98
17) Carbon Disulfide	2.508	76	6984	4.256	ug/l	99
18) Methyl Acetate	2.709	43	8158	4.882	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	16412	4.720	ug/l	97
20) Methylene Chloride	2.788	84	5086	4.699	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	4308	4.597	ug/l	94
22) Diisopropyl ether	3.757	45	17354	4.999	ug/l #	76
23) Vinyl Acetate	3.721	43	67319	23.335	ug/l	99
24) 1,1-Dichloroethane	3.611	63	8891	4.880	ug/l	97
25) 2-Butanone	4.568	43	21694	23.337	ug/l	94
26) 2,2-Dichloropropane	4.471	77	8492	4.913	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	5255	4.763	ug/l	96
28) Bromochloromethane	4.904	49	4838	5.698	ug/l #	91
29) Tetrahydrofuran	5.025	42	12893	22.390	ug/l	99
30) Chloroform	5.099	83	9254	4.797	ug/l #	82
31) Cyclohexane	5.470	56	7024	4.952	ug/l	88
32) 1,1,1-Trichloroethane	5.385	97	7951	4.600	ug/l	97
36) 1,1-Dichloropropene	5.684	75	6338	4.658	ug/l	95
37) Ethyl Acetate	4.721	43	8340	4.664	ug/l	99
38) Carbon Tetrachloride	5.684	117	6610	4.469	ug/l	91
39) Methylcyclohexane	7.379	83	7064	4.714	ug/l	97
40) Benzene	6.037	78	17945	4.593	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	4195	4.331	ug/l	93
42) 1,2-Dichloroethane	6.086	62	7541	4.785	ug/l	100
43) Isopropyl Acetate	6.342	43	13892	4.552	ug/l	98
44) Trichloroethene	7.129	130	4466	4.483	ug/l	97
45) 1,2-Dichloropropane	7.434	63	4959	4.636	ug/l	94
46) Dibromomethane	7.580	93	3448	4.545	ug/l	99
47) Bromodichloromethane	7.824	83	7139	4.525	ug/l	93
48) Methyl methacrylate	7.690	41	6482	4.665	ug/l	95
49) 1,4-Dioxane	7.696	88	2563m	100.955	ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	42980	23.167	ug/l	99
52) Toluene	8.720	92	10646	4.307	ug/l	93
53) t-1,3-Dichloropropene	8.982	75	8203	4.620	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	8181	4.483	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	4846	4.441	ug/l	94
56) Ethyl methacrylate	9.116	69	8090	4.580	ug/l #	86
57) 1,3-Dichloropropane	9.311	76	8735	4.659	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	21287	25.867	ug/l	99
59) 2-Hexanone	9.433	43	33392	23.583	ug/l	95
60) Dibromochloromethane	9.519	129	5234	4.450	ug/l	99
61) 1,2-Dibromoethane	9.610	107	4849	4.331	ug/l	95
64) Tetrachloroethene	9.275	164	4061	4.551	ug/l	88
65) Chlorobenzene	10.079	112	11820	4.573	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	4798	4.712	ug/l	91
67) Ethyl Benzene	10.195	91	21635	4.621	ug/l	96
68) m/p-Xylenes	10.305	106	16110	9.063	ug/l	92
69) o-Xylene	10.640	106	8230	4.558	ug/l	97
70) Styrene	10.659	104	13402	4.565	ug/l	97
71) Bromoform	10.805	173	3445	4.249	ug/l #	95
73) Isopropylbenzene	10.963	105	21675	4.847	ug/l	97
74) N-amyl acetate	10.841	43	11124	5.004	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	7925	4.931	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	7677m	4.610	ug/l	
77) Bromobenzene	11.195	156	4653	4.563	ug/l	84
78) n-propylbenzene	11.305	91	25012	4.766	ug/l	98
79) 2-Chlorotoluene	11.366	91	15591	4.855	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	17504	4.672	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	2666	4.835	ug/l	94
82) 4-Chlorotoluene	11.457	91	17906	4.865	ug/l	95
83) tert-Butylbenzene	11.713	119	17503	4.669	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	17605	4.728	ug/l	96
85) sec-Butylbenzene	11.890	105	22101	4.709	ug/l	99
86) p-Isopropyltoluene	12.012	119	17659	4.617	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	8958	4.608	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	9387	4.698	ug/l	93
89) n-Butylbenzene	12.335	91	16196	4.775	ug/l	97
90) Hexachloroethane	12.542	117	3558	4.658	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	9527	4.814	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.939	75	1978	4.655	ug/l	78
93) 1,2,4-Trichlorobenzene	13.591	180	5140	4.796	ug/l	98
94) Hexachlorobutadiene	13.725	225	1909	4.563	ug/l	96
95) Naphthalene	13.780	128	19909	4.572	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	5232	4.559	ug/l	99

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

