

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101722\
 Data File : VX032154.D
 Acq On : 17 Oct 2022 13:14
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/18/2022
 Supervised By : Mahesh Dadoda 10/18/2022

Quant Time: Oct 18 03:54:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 03:50:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	134818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	221981	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	110351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	100345	46.732	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.460%		
35) Dibromofluoromethane	5.391	113	75071	49.564	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.120%		
50) Toluene-d8	8.653	98	254095	47.829	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.660%		
62) 4-Bromofluorobenzene	11.079	95	110088	54.426	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	68004	45.811	ug/l	98
3) Chloromethane	1.288	50	65623	45.786	ug/l	97
4) Vinyl Chloride	1.374	62	74050	46.365	ug/l	98
5) Bromomethane	1.612	94	49787	42.115	ug/l	98
6) Chloroethane	1.685	64	60525	51.047	ug/l	96
7) Trichlorofluoromethane	1.886	101	113078	45.377	ug/l	99
8) Diethyl Ether	2.136	74	38127	46.283	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	52545	44.614	ug/l	92
10) Methyl Iodide	2.453	142	68425	47.923	ug/l	99
11) Tert butyl alcohol	3.008	59	69846	236.505	ug/l	95
12) 1,1-Dichloroethene	2.319	96	49864	45.317	ug/l	92
13) Acrolein	2.239	56	57971	233.208	ug/l	97
14) Allyl chloride	2.666	41	79611	40.940	ug/l	97
15) Acrylonitrile	3.069	53	178092	251.205	ug/l	99
16) Acetone	2.392	43	109642	212.366	ug/l	97
17) Carbon Disulfide	2.514	76	122437	44.344	ug/l	100
18) Methyl Acetate	2.709	43	83750	39.831	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	231005	50.577	ug/l	97
20) Methylene Chloride	2.788	84	71666	45.148	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	70892	47.550	ug/l	99
22) Diisopropyl ether	3.764	45	226897	46.967	ug/l	97
23) Vinyl Acetate	3.721	43	928785	246.111	ug/l	99
24) 1,1-Dichloroethane	3.611	63	129197	45.885	ug/l	98
25) 2-Butanone	4.568	43	255302	231.434	ug/l	100
26) 2,2-Dichloropropane	4.483	77	105736	47.714	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	82833	46.193	ug/l	97
28) Bromochloromethane	4.898	49	51404	44.682	ug/l	91
29) Tetrahydrofuran	5.013	42	159383	240.900	ug/l	96
30) Chloroform	5.099	83	144020	46.737	ug/l	96
31) Cyclohexane	5.471	56	114389	47.802	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	133969	54.227	ug/l	100
36) 1,1-Dichloropropene	5.696	75	105648	48.212	ug/l	99
37) Ethyl Acetate	4.715	43	104722	47.623	ug/l	99
38) Carbon Tetrachloride	5.678	117	117565	50.661	ug/l	95
39) Methylcyclohexane	7.385	83	125451	47.703	ug/l	97
40) Benzene	6.044	78	294502	48.048	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	56167	49.536	ug/l	98
42) 1,2-Dichloroethane	6.086	62	125375	48.837	ug/l	98
43) Isopropyl Acetate	6.342	43	168919	50.976	ug/l	99
44) Trichloroethene	7.129	130	75464	43.696	ug/l	95
45) 1,2-Dichloropropane	7.434	63	74937	49.074	ug/l	95
46) Dibromomethane	7.580	93	57833	49.302	ug/l	95
47) Bromodichloromethane	7.824	83	112637	51.544	ug/l	99
48) Methyl methacrylate	7.696	41	85911	51.155	ug/l	98
49) 1,4-Dioxane	7.696	88	33121	961.869	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	445300	219.142	ug/l	99
52) Toluene	8.720	92	197686	50.621	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	117349	60.202	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	96694	42.244	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	79546	53.658	ug/l	99
56) Ethyl methacrylate	9.116	69	120461	56.896	ug/l	99
57) 1,3-Dichloropropane	9.311	76	135154	51.999	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	228239	217.595	ug/l	97
59) 2-Hexanone	9.433	43	405498	269.363	ug/l	99
60) Dibromochloromethane	9.525	129	85569	55.793	ug/l	98
61) 1,2-Dibromoethane	9.610	107	84899	53.029	ug/l	98
64) Tetrachloroethene	9.275	164	82117	47.740	ug/l	97
65) Chlorobenzene	10.080	112	212396	46.703	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	81282	51.578	ug/l	98
67) Ethyl Benzene	10.195	91	393297	49.207	ug/l	99
68) m/p-Xylenes	10.305	106	301193	98.271	ug/l	96
69) o-Xylene	10.640	106	147015	48.747	ug/l	95
70) Styrene	10.659	104	249914	51.279	ug/l	98
71) Bromoform	10.799	173	58784	53.030	ug/l #	100
73) Isopropylbenzene	10.964	105	397011	47.581	ug/l	97
74) N-amyl acetate	10.848	43	151666	51.921	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	119468	44.662	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	115133m	47.259	ug/l	
77) Bromobenzene	11.201	156	92929	45.752	ug/l	97
78) n-propylbenzene	11.305	91	468835	46.891	ug/l	99
79) 2-Chlorotoluene	11.366	91	282352	45.716	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	349059	47.396	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	33688	54.201	ug/l	87
82) 4-Chlorotoluene	11.457	91	330799	45.962	ug/l	96
83) tert-Butylbenzene	11.713	119	328910	45.399	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	347085	46.834	ug/l	97
85) sec-Butylbenzene	11.890	105	425520	46.931	ug/l	98
86) p-Isopropyltoluene	12.012	119	359376	47.613	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	178940	45.585	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	180659	45.608	ug/l	99
89) n-Butylbenzene	12.335	91	322343	51.800	ug/l	98
90) Hexachloroethane	12.543	117	57652	55.042	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	179550	47.868	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	29126	61.109	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	109641	52.628	ug/l	97
94) Hexachlorobutadiene	13.725	225	46262	52.984	ug/l	98
95) Naphthalene	13.774	128	382050	54.877	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	111814	53.611	ug/l	99

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

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