

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121522\
 Data File : VX033448.D
 Acq On : 15 Dec 2022 17:31
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/16/2022
 Supervised By : Mahesh Dadoda 12/16/2022

Quant Time: Dec 16 01:05:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	123770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	197341	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	39250	49.432	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 98.860%			
35) Dibromofluoromethane	5.391	113	46709	52.624	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.240%			
50) Toluene-d8	8.647	98	101567	54.700	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 109.400%			
62) 4-Bromofluorobenzene	11.079	95	81694	57.541	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 115.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	43975	50.862	ug/l	98
3) Chloromethane	1.294	50	45610	45.625	ug/l	96
4) Vinyl Chloride	1.374	62	54015	47.322	ug/l	99
5) Bromomethane	1.611	94	41965	50.099	ug/l	99
6) Chloroethane	1.685	64	28461	32.873	ug/l	97
7) Trichlorofluoromethane	1.892	101	79899	37.285	ug/l	95
8) Diethyl Ether	2.136	74	28851	37.275	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	63974	56.278	ug/l	98
10) Methyl Iodide	2.453	142	70042	56.259	ug/l	98
11) Tert butyl alcohol	2.977	59	54469m	224.374	ug/l	
12) 1,1-Dichloroethene	2.325	96	58411	52.056	ug/l	95
13) Acrolein	2.239	56	49271	187.139	ug/l	99
14) Allyl chloride	2.666	41	91940	51.309	ug/l	96
15) Acrylonitrile	3.062	53	152251	253.183	ug/l	99
16) Acetone	2.380	43	142755	242.963	ug/l	100
17) Carbon Disulfide	2.514	76	131297	45.591	ug/l	100
18) Methyl Acetate	2.703	43	90299	53.089	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	209770	53.971	ug/l	99
20) Methylene Chloride	2.788	84	64186	48.983	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	64425	52.487	ug/l	99
22) Diisopropyl ether	3.757	45	212301	55.299	ug/l	90
23) Vinyl Acetate	3.721	43	812633	272.709	ug/l	98
24) 1,1-Dichloroethane	3.611	63	116503	51.647	ug/l	99
25) 2-Butanone	4.556	43	213668	253.343	ug/l	100
26) 2,2-Dichloropropane	4.477	77	93648	56.453	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	78398	53.444	ug/l	97
28) Bromochloromethane	4.897	49	51936	55.001	ug/l	94
29) Tetrahydrofuran	5.001	42	138447	253.363	ug/l	96
30) Chloroform	5.092	83	134873	53.857	ug/l	98
31) Cyclohexane	5.470	56	100692	53.360	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	120415	55.886	ug/l	99
36) 1,1-Dichloropropene	5.690	75	94850	54.810	ug/l	99
37) Ethyl Acetate	4.714	43	84595	51.714	ug/l	99
38) Carbon Tetrachloride	5.678	117	105704	54.518	ug/l	99
39) Methylcyclohexane	7.379	83	109654	56.611	ug/l	97
40) Benzene	6.037	78	275855	54.672	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	48354	53.642	ug/l	96
42) 1,2-Dichloroethane	6.086	62	106202	53.005	ug/l	99
43) Isopropyl Acetate	6.342	43	141609	53.802	ug/l	97
44) Trichloroethene	7.129	130	77939	56.025	ug/l	98
45) 1,2-Dichloropropane	7.433	63	69628	53.959	ug/l	100
46) Dibromomethane	7.580	93	52731	53.643	ug/l	98
47) Bromodichloromethane	7.824	83	106055	55.348	ug/l	98
48) Methyl methacrylate	7.690	41	73900	54.402	ug/l	92
49) 1,4-Dioxane	7.683	88	26072	841.676	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	455573	273.702	ug/l	96
52) Toluene	8.720	92	188095	57.657	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	108424	52.538	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	117050	57.405	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	77425	56.460	ug/l	99
56) Ethyl methacrylate	9.116	69	113053	58.553	ug/l #	90
57) 1,3-Dichloropropane	9.311	76	124174	56.367	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	258559	292.670	ug/l	98
59) 2-Hexanone	9.433	43	333179	271.625	ug/l	94
60) Dibromochloromethane	9.518	129	85205	56.394	ug/l	99
61) 1,2-Dibromoethane	9.610	107	82541	56.587	ug/l	99
64) Tetrachloroethene	9.275	164	68106	53.622	ug/l	95
65) Chlorobenzene	10.079	112	206279	54.841	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	78928	55.527	ug/l	99
67) Ethyl Benzene	10.195	91	369965	56.458	ug/l	100
68) m/p-Xylenes	10.305	106	291837	114.467	ug/l	95
69) o-Xylene	10.640	106	141566	56.176	ug/l	96
70) Styrene	10.652	104	236901	57.399	ug/l	97
71) Bromoform	10.799	173	60944	54.166	ug/l #	99
73) Isopropylbenzene	10.963	105	373091	54.500	ug/l	99
74) N-amyl acetate	10.841	43	127865	54.746	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	112834	51.955	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	101810m	52.983	ug/l	
77) Bromobenzene	11.195	156	92064	53.257	ug/l	97
78) n-propylbenzene	11.305	91	426583	55.808	ug/l	99
79) 2-Chlorotoluene	11.366	91	253136	53.586	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	315778	55.415	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	31507	51.005	ug/l	95
82) 4-Chlorotoluene	11.457	91	296262	53.934	ug/l	98
83) tert-Butylbenzene	11.713	119	315064	55.446	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	314655	55.318	ug/l	100
85) sec-Butylbenzene	11.890	105	375489	56.636	ug/l	100
86) p-Isopropyltoluene	12.012	119	320461	56.065	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	170635	54.491	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	171745	53.695	ug/l	98
89) n-Butylbenzene	12.335	91	266897	57.010	ug/l	99
90) Hexachloroethane	12.536	117	51499	53.005	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	166968	53.333	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22490	47.943	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	103411	54.693	ug/l	98
94) Hexachlorobutadiene	13.725	225	43009	56.805	ug/l	99
95) Naphthalene	13.774	128	347750	55.138	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	104599	54.622	ug/l	99

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

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