

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050222\
 Data File : VX028468.D
 Acq On : 02 May 2022 11:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/03/2022
 Supervised By : Mahesh Dadoda 05/03/2022

Quant Time: May 03 04:49:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	338123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	529962	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	505784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	282177	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	197750	44.854	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.700%		
35) Dibromofluoromethane	5.385	113	182637	49.141	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.280%		
50) Toluene-d8	8.647	98	641589	44.946	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	89.900%		
62) 4-Bromofluorobenzene	11.085	95	253968	46.531	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	147887	67.755	ug/l	98
3) Chloromethane	1.288	50	139833	64.234	ug/l	99
4) Vinyl Chloride	1.374	62	162900	47.790	ug/l	98
5) Bromomethane	1.599	94	165537	55.389	ug/l	98
6) Chloroethane	1.679	64	119167	48.742	ug/l	99
7) Trichlorofluoromethane	1.880	101	302053	40.184	ug/l	99
8) Diethyl Ether	2.130	74	126360	56.348	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.325	101	167700	61.247	ug/l	98
10) Methyl Iodide	2.453	142	224648	58.946	ug/l	98
11) Tert butyl alcohol	2.971	59	224963	267.128	ug/l	98
12) 1,1-Dichloroethene	2.319	96	153111	58.922	ug/l	93
13) Acrolein	2.233	56	141368	261.641	ug/l	98
14) Allyl chloride	2.660	41	230700	52.909	ug/l	95
15) Acrylonitrile	3.062	53	519143	288.953	ug/l	100
16) Acetone	2.380	43	427221	317.645	ug/l	95
17) Carbon Disulfide	2.508	76	318010	45.444	ug/l	99
18) Methyl Acetate	2.703	43	226895	57.883	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	631339	58.263	ug/l	97
20) Methylene Chloride	2.788	84	195671	59.817	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	176500	49.944	ug/l	92
22) Diisopropyl ether	3.757	45	532959	53.665	ug/l #	85
23) Vinyl Acetate	3.721	43	2366128	272.710	ug/l	99
24) 1,1-Dichloroethane	3.611	63	318558	54.325	ug/l	98
25) 2-Butanone	4.556	43	696598	266.792	ug/l	98
26) 2,2-Dichloropropane	4.477	77	272867	47.659	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	226813	53.826	ug/l	92
28) Bromochloromethane	4.897	49	140837	55.980	ug/l	85
29) Tetrahydrofuran	5.001	42	437323	256.874	ug/l	99
30) Chloroform	5.093	83	366567	52.053	ug/l	100
31) Cyclohexane	5.471	56	239787	44.642	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	310751	48.730	ug/l	98
36) 1,1-Dichloropropene	5.696	75	237969	49.087	ug/l	97
37) Ethyl Acetate	4.715	43	266989	54.276	ug/l	100
38) Carbon Tetrachloride	5.678	117	271403	49.591	ug/l	99
39) Methylcyclohexane	7.379	83	277702	45.399	ug/l	95
40) Benzene	6.038	78	745617	52.542	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	142835	56.280	ug/l	98
42) 1,2-Dichloroethane	6.086	62	276431	52.476	ug/l	98
43) Isopropyl Acetate	6.336	43	437862	54.692	ug/l	98
44) Trichloroethene	7.129	130	223626	54.341	ug/l	95
45) 1,2-Dichloropropane	7.434	63	190892	54.955	ug/l	100
46) Dibromomethane	7.580	93	151506	55.602	ug/l	97
47) Bromodichloromethane	7.824	83	286104	54.631	ug/l	99
48) Methyl methacrylate	7.690	41	205455	55.897	ug/l	93
49) 1,4-Dioxane	7.659	88	102506	1042.471	ug/l	92
51) 4-Methyl-2-Pentanone	8.574	43	1424200	277.217	ug/l	98
52) Toluene	8.720	92	506522	51.376	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	315994	56.774	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	332573	55.644	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	230689	57.589	ug/l	98
56) Ethyl methacrylate	9.116	69	344720	59.367	ug/l #	94
57) 1,3-Dichloropropane	9.311	76	364667	56.402	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	714744	262.347	ug/l	93
59) 2-Hexanone	9.433	43	1104982	277.662	ug/l	97
60) Dibromochloromethane	9.525	129	250546	57.373	ug/l	95
61) 1,2-Dibromoethane	9.610	107	246140	56.010	ug/l	98
64) Tetrachloroethene	9.275	164	215280	54.492	ug/l	98
65) Chlorobenzene	10.079	112	589610	54.676	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	232088	57.775	ug/l	100
67) Ethyl Benzene	10.195	91	987141	54.591	ug/l	97
68) m/p-Xylenes	10.305	106	800634	108.791	ug/l	95
69) o-Xylene	10.646	106	403068	54.933	ug/l	94
70) Styrene	10.659	104	689666	58.018	ug/l	98
71) Bromoform	10.799	173	194827	52.375	ug/l	99
73) Isopropylbenzene	10.963	105	1021969	52.692	ug/l	99
74) N-amyl acetate	10.842	43	400625	59.762	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	360413	57.265	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	325881m	58.681	ug/l	
77) Bromobenzene	11.201	156	282218	55.871	ug/l	90
78) n-propylbenzene	11.305	91	1151232	53.530	ug/l	96
79) 2-Chlorotoluene	11.366	91	712275	53.271	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	875315	53.167	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	110478	59.119	ug/l	96
82) 4-Chlorotoluene	11.457	91	825624	53.605	ug/l	95
83) tert-Butylbenzene	11.719	119	886442	52.729	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	893388	54.590	ug/l	98
85) sec-Butylbenzene	11.890	105	1062309	52.377	ug/l	98
86) p-Isopropyltoluene	12.012	119	918351	52.485	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	537344	56.615	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	544215	54.610	ug/l	99
89) n-Butylbenzene	12.335	91	760864	52.957	ug/l	97
90) Hexachloroethane	12.542	117	154723	49.175	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	531978	56.422	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	77022	55.028	ug/l	88
93) 1,2,4-Trichlorobenzene	13.591	180	333877	59.538	ug/l	100
94) Hexachlorobutadiene	13.725	225	137055	54.770	ug/l	94
95) Naphthalene	13.774	128	1150062	61.563	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	334274	60.728	ug/l	97

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

