

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
 Data File : VX031406.D
 Acq On : 16 Sep 2022 13:22
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/17/2022
 Supervised By : Mahesh Dadoda 09/19/2022

Quant Time: Sep 17 02:03:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 01:50:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	60027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	90301	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	104067	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84292	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	59367	40.293	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	80.580%		
35) Dibromofluoromethane	5.385	113	48995	50.475	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.960%		
50) Toluene-d8	8.647	98	189618	52.077	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.160%		
62) 4-Bromofluorobenzene	11.079	95	69829	52.371	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.740%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	28732	44.330	ug/l	98
3) Chloromethane	1.288	50	41520	46.622	ug/l	99
4) Vinyl Chloride	1.374	62	51181	48.800	ug/l	95
5) Bromomethane	1.611	94	78854	100.257	ug/l	98
6) Chloroethane	1.685	64	63784	76.619	ug/l	99
7) Trichlorofluoromethane	1.886	101	126241	65.663	ug/l	100
8) Diethyl Ether	2.136	74	44857	58.180	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.325	101	44544	48.996	ug/l	93
10) Methyl Iodide	2.453	142	44673	46.125	ug/l	98
11) Tert butyl alcohol	3.001	59	62378m	195.363	ug/l	
12) 1,1-Dichloroethene	2.319	96	39829	47.524	ug/l	92
13) Acrolein	2.239	56	25846	152.012	ug/l	97
14) Allyl chloride	2.660	41	67894	36.671	ug/l	94
15) Acrylonitrile	3.068	53	134124	197.369	ug/l	100
16) Acetone	2.386	43	120384	191.391	ug/l	95
17) Carbon Disulfide	2.508	76	92314	46.101	ug/l	99
18) Methyl Acetate	2.703	43	70019	37.540	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	161477	41.607	ug/l	98
20) Methylene Chloride	2.788	84	47798	48.379	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	46723	49.595	ug/l	94
22) Diisopropyl ether	3.763	45	159530	41.177	ug/l	97
23) Vinyl Acetate	3.721	43	701847	217.981	ug/l	98
24) 1,1-Dichloroethane	3.611	63	85506	42.054	ug/l	99
25) 2-Butanone	4.562	43	198615	191.437	ug/l	98
26) 2,2-Dichloropropane	4.477	77	80770	41.871	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	57292	46.411	ug/l	93
28) Bromochloromethane	4.897	49	39840	42.038	ug/l	95
29) Tetrahydrofuran	5.007	42	125367	195.079	ug/l	96
30) Chloroform	5.099	83	97194	45.142	ug/l	100
31) Cyclohexane	5.470	56	72806	45.994	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	86433	44.802	ug/l	99
36) 1,1-Dichloropropene	5.690	75	68280	51.393	ug/l	99
37) Ethyl Acetate	4.714	43	76423	43.772	ug/l	99
38) Carbon Tetrachloride	5.678	117	76325	52.850	ug/l	99
39) Methylcyclohexane	7.379	83	79361	54.240	ug/l	94
40) Benzene	6.037	78	201298	52.762	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	41199	43.559	ug/l	96
42) 1,2-Dichloroethane	6.086	62	78532	51.031	ug/l	99
43) Isopropyl Acetate	6.342	43	130978	43.949	ug/l	99
44) Trichloroethene	7.129	130	55842	57.408	ug/l	87
45) 1,2-Dichloropropane	7.427	63	52015	49.801	ug/l	95
46) Dibromomethane	7.580	93	39652	53.532	ug/l	94
47) Bromodichloromethane	7.824	83	77157	50.082	ug/l	96
48) Methyl methacrylate	7.696	41	58192	42.893	ug/l	92
49) 1,4-Dioxane	7.683	88	25124	923.422	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	424490	234.332	ug/l	99
52) Toluene	8.720	92	136751	56.664	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	86240	49.742	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	87249	48.970	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	56867	53.378	ug/l	99
56) Ethyl methacrylate	9.116	69	86428	50.114	ug/l	96
57) 1,3-Dichloropropane	9.311	76	93154	50.887	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	204122	254.024	ug/l	97
59) 2-Hexanone	9.433	43	327906	237.169	ug/l	100
60) Dibromochloromethane	9.525	129	62300	54.242	ug/l	98
61) 1,2-Dibromoethane	9.610	107	60625	55.458	ug/l	98
64) Tetrachloroethene	9.275	164	53683	56.420	ug/l	97
65) Chlorobenzene	10.079	112	150155	54.479	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	57284	52.751	ug/l	99
67) Ethyl Benzene	10.195	91	271152	54.315	ug/l	99
68) m/p-Xylenes	10.305	106	216935	114.442	ug/l	100
69) o-Xylene	10.640	106	103907	53.968	ug/l	100
70) Styrene	10.659	104	176846	56.485	ug/l	99
71) Bromoform	10.799	173	46356	53.621	ug/l #	100
73) Isopropylbenzene	10.963	105	282469	45.370	ug/l	99
74) N-amyl acetate	10.841	43	119586	38.637	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	92648	41.408	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	85025m	40.027	ug/l	
77) Bromobenzene	11.201	156	67086	47.258	ug/l	96
78) n-propylbenzene	11.305	91	333842	45.691	ug/l	100
79) 2-Chlorotoluene	11.366	91	193178	43.210	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	260634	49.967	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	29016	37.797	ug/l	95
82) 4-Chlorotoluene	11.457	91	249657	48.719	ug/l	100
83) tert-Butylbenzene	11.713	119	250770	48.052	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	256644	49.504	ug/l	100
85) sec-Butylbenzene	11.890	105	325693	49.840	ug/l	99
86) p-Isopropyltoluene	12.012	119	283908	53.315	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	137969	50.978	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	151963	54.630	ug/l	98
89) n-Butylbenzene	12.335	91	245328	51.953	ug/l	99
90) Hexachloroethane	12.542	117	46180	43.425	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	142851	51.842	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	20122	38.783	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	79238	53.106	ug/l	98
94) Hexachlorobutadiene	13.725	225	28944	49.695	ug/l	99
95) Naphthalene	13.774	128	285202	47.047	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	81132	50.777	ug/l	97

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

