

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021624\
 Data File : VX040289.D
 Acq On : 16 Feb 2024 19:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/17/2024
 Supervised By : Semsettin Yesilyurt 02/20/2024

Quant Time: Feb 17 01:42:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	76678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	129836	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	126498	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	53250	46.680	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.360%		
35) Dibromofluoromethane	5.391	113	42645	47.033	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.060%		
50) Toluene-d8	8.647	98	157339	46.389	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.780%		
62) 4-Bromofluorobenzene	11.079	95	65934	47.665	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.340%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	42370	48.918	ug/l	99
3) Chloromethane	1.294	50	42862	47.989	ug/l	98
4) Vinyl Chloride	1.374	62	45732	48.452	ug/l	98
5) Bromomethane	1.599	94	29648	55.663	ug/l	100
6) Chloroethane	1.678	64	28623	48.083	ug/l	96
7) Trichlorofluoromethane	1.886	101	73738	48.647	ug/l	99
8) Diethyl Ether	2.136	74	27811	48.842	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.325	101	44271	54.449	ug/l	97
10) Methyl Iodide	2.453	142	51980	57.584	ug/l	91
11) Tert butyl alcohol	2.965	59	57916	260.649	ug/l #	90
12) 1,1-Dichloroethene	2.318	96	40612	51.877	ug/l	90
13) Acrolein	2.233	56	51070	249.010	ug/l	100
14) Allyl chloride	2.666	41	69192	50.930	ug/l	96
15) Acrylonitrile	3.062	53	132770	267.054	ug/l	98
16) Acetone	2.379	43	110514	235.883	ug/l	93
17) Carbon Disulfide	2.514	76	95171	46.048	ug/l	99
18) Methyl Acetate	2.703	43	60000	47.772	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	148616	53.886	ug/l	100
20) Methylene Chloride	2.788	84	47832	54.606	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	43836	49.166	ug/l	92
22) Diisopropyl ether	3.763	45	151795	55.093	ug/l	89
23) Vinyl Acetate	3.721	43	699043	284.605	ug/l	97
24) 1,1-Dichloroethane	3.611	63	85980	53.572	ug/l	99
25) 2-Butanone	4.550	43	191097	260.937	ug/l	98
26) 2,2-Dichloropropane	4.471	77	61488	49.769	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	54692	53.772	ug/l	91
28) Bromochloromethane	4.897	49	36969	54.254	ug/l	93
29) Tetrahydrofuran	5.001	42	125840	263.749	ug/l	95
30) Chloroform	5.092	83	93807	54.060	ug/l	99
31) Cyclohexane	5.464	56	65823	48.376	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	77635	53.182	ug/l	99
36) 1,1-Dichloropropene	5.696	75	63916	50.322	ug/l	98
37) Ethyl Acetate	4.714	43	73925	52.307	ug/l	98
38) Carbon Tetrachloride	5.678	117	62728	51.942	ug/l	100
39) Methylcyclohexane	7.379	83	70639	47.856	ug/l	94
40) Benzene	6.037	78	185707	52.284	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	41590	55.512	ug/l	94
42) 1,2-Dichloroethane	6.086	62	75097	54.092	ug/l	100
43) Isopropyl Acetate	6.336	43	120024	54.403	ug/l	99
44) Trichloroethene	7.122	130	49995	51.028	ug/l	99
45) 1,2-Dichloropropane	7.427	63	50985	55.149	ug/l	96
46) Dibromomethane	7.580	93	36960	54.283	ug/l	95
47) Bromodichloromethane	7.824	83	71807	54.734	ug/l	98
48) Methyl methacrylate	7.689	41	60155	53.288	ug/l	91
49) 1,4-Dioxane	7.659	88	25600	1042.419	ug/l #	92
51) 4-Methyl-2-Pentanone	8.573	43	414338	275.076	ug/l	100
52) Toluene	8.720	92	119938	51.552	ug/l	92
53) t-1,3-Dichloropropene	8.976	75	77883	49.889	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	80717	54.898	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	53547	53.963	ug/l	95
56) Ethyl methacrylate	9.116	69	83028	55.892	ug/l	95
57) 1,3-Dichloropropane	9.305	76	88022	54.346	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	186936	266.012	ug/l	98
59) 2-Hexanone	9.427	43	330864	277.049	ug/l	100
60) Dibromochloromethane	9.518	129	57212	56.591	ug/l	98
61) 1,2-Dibromoethane	9.610	107	56981	54.023	ug/l	99
64) Tetrachloroethene	9.275	164	44407	50.095	ug/l	98
65) Chlorobenzene	10.079	112	136795	51.815	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	49839	54.507	ug/l	99
67) Ethyl Benzene	10.195	91	247837	52.709	ug/l	99
68) m/p-Xylenes	10.299	106	188136	105.944	ug/l	99
69) o-Xylene	10.640	106	93282	54.056	ug/l	99
70) Styrene	10.652	104	159265	55.511	ug/l	99
71) Bromoform	10.799	173	42848	49.900	ug/l #	99
73) Isopropylbenzene	10.963	105	253235	51.083	ug/l	100
74) N-amyl acetate	10.841	43	117192	55.152	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	93842	52.690	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	76198m	53.462	ug/l	
77) Bromobenzene	11.195	156	61496	52.523	ug/l	95
78) n-propylbenzene	11.305	91	311987	51.983	ug/l	98
79) 2-Chlorotoluene	11.366	91	184651	50.950	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	218344	52.317	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	23881	47.260	ug/l	98
82) 4-Chlorotoluene	11.451	91	215103	50.094	ug/l	100
83) tert-Butylbenzene	11.713	119	209012	51.082	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	215900	51.133	ug/l	99
85) sec-Butylbenzene	11.890	105	272612	51.843	ug/l	99
86) p-Isopropyltoluene	12.006	119	222430	51.603	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	121130	52.214	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	120945	49.233	ug/l	98
89) n-Butylbenzene	12.329	91	210565	50.606	ug/l	98
90) Hexachloroethane	12.536	117	37063	54.512	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	116531	51.888	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	22356	54.386	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	77956	50.702	ug/l	97
94) Hexachlorobutadiene	13.725	225	29647	48.314	ug/l	98
95) Naphthalene	13.774	128	256689	52.860	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	77021	52.554	ug/l	97

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

