

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021624\
 Data File : VX040262.D
 Acq On : 16 Feb 2024 08:52
 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 02/17/2024
 Supervised By : Semsettin Yesilyurt 02/20/2024

Quant Time: Feb 17 01:28:27 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	82307	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	132844	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	57396	46.874	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.740%		
35) Dibromofluoromethane	5.379	113	47526	51.229	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.460%		
50) Toluene-d8	8.647	98	175362	50.532	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.060%		
62) 4-Bromofluorobenzene	11.079	95	72489	51.217	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.440%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	50702	54.534	ug/l	99
3) Chloromethane	1.294	50	45265	47.213	ug/l	97
4) Vinyl Chloride	1.374	62	50171	49.519	ug/l	99
5) Bromomethane	1.599	94	36053	63.059	ug/l	96
6) Chloroethane	1.685	64	30898	48.355	ug/l	98
7) Trichlorofluoromethane	1.886	101	81575	50.136	ug/l	100
8) Diethyl Ether	2.130	74	28611	46.811	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.325	101	46376	53.137	ug/l	96
10) Methyl Iodide	2.453	142	56021	57.816	ug/l	90
11) Tert butyl alcohol	2.953	59	43264	181.392	ug/l	# 93
12) 1,1-Dichloroethene	2.319	96	43241	51.458	ug/l	84
13) Acrolein	2.233	56	46642	211.867	ug/l	98
14) Allyl chloride	2.660	41	71020	48.701	ug/l	97
15) Acrylonitrile	3.056	53	129227	242.151	ug/l	99
16) Acetone	2.374	43	130867	260.222	ug/l	94
17) Carbon Disulfide	2.508	76	105169	47.406	ug/l	99
18) Methyl Acetate	2.697	43	56316	41.773	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	149270	50.421	ug/l	98
20) Methylene Chloride	2.788	84	49126	52.176	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	46600	48.692	ug/l	94
22) Diisopropyl ether	3.751	45	151158	51.110	ug/l	95
23) Vinyl Acetate	3.715	43	676665	256.653	ug/l	98
24) 1,1-Dichloroethane	3.605	63	85949	49.890	ug/l	99
25) 2-Butanone	4.544	43	183396	233.295	ug/l	93
26) 2,2-Dichloropropane	4.465	77	70549	53.197	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	54749	50.146	ug/l	93
28) Bromochloromethane	4.891	49	38694	52.902	ug/l	90
29) Tetrahydrofuran	4.989	42	117195	228.831	ug/l	95
30) Chloroform	5.086	83	93821	50.370	ug/l	99
31) Cyclohexane	5.458	56	70768	48.454	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	80965	51.670	ug/l	99
36) 1,1-Dichloropropene	5.684	75	68071	52.380	ug/l	97
37) Ethyl Acetate	4.702	43	69758	48.241	ug/l	97
38) Carbon Tetrachloride	5.666	117	65687	53.161	ug/l	95
39) Methylcyclohexane	7.373	83	78995	52.305	ug/l	97
40) Benzene	6.031	78	191482	52.689	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	39079	50.979	ug/l	91
42) 1,2-Dichloroethane	6.080	62	73939	52.052	ug/l	99
43) Isopropyl Acetate	6.330	43	115567	51.197	ug/l	99
44) Trichloroethene	7.123	130	53158	53.028	ug/l	91
45) 1,2-Dichloropropane	7.427	63	52357	55.351	ug/l	97
46) Dibromomethane	7.580	93	38081	54.663	ug/l	96
47) Bromodichloromethane	7.818	83	74142	55.234	ug/l	98
48) Methyl methacrylate	7.690	41	58687	50.810	ug/l	91
49) 1,4-Dioxane	7.653	88	22147	881.395	ug/l #	88
51) 4-Methyl-2-Pentanone	8.568	43	392263	254.524	ug/l	99
52) Toluene	8.714	92	126628	53.195	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	79485	49.766	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	82862	55.080	ug/l	93
55) 1,1,2-Trichloroethane	9.147	97	54772	53.947	ug/l	96
56) Ethyl methacrylate	9.110	69	81665	53.729	ug/l	95
57) 1,3-Dichloropropane	9.305	76	89864	54.227	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	184451	256.532	ug/l	99
59) 2-Hexanone	9.427	43	314944	257.747	ug/l	98
60) Dibromochloromethane	9.519	129	57596	55.681	ug/l	99
61) 1,2-Dibromoethane	9.604	107	59176	54.834	ug/l	96
64) Tetrachloroethene	9.269	164	48136	53.968	ug/l	99
65) Chlorobenzene	10.079	112	141406	53.233	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	52148	56.682	ug/l	98
67) Ethyl Benzene	10.189	91	259591	54.871	ug/l	98
68) m/p-Xylenes	10.299	106	197351	110.451	ug/l	99
69) o-Xylene	10.640	106	96311	55.468	ug/l	100
70) Styrene	10.653	104	162944	56.445	ug/l	98
71) Bromoform	10.799	173	43375	50.193	ug/l #	99
73) Isopropylbenzene	10.957	105	266107	52.927	ug/l	99
74) N-amyl acetate	10.842	43	113135	52.496	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	91331	50.561	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	75859m	52.477	ug/l	
77) Bromobenzene	11.195	156	63840	53.760	ug/l	93
78) n-propylbenzene	11.305	91	322912	53.049	ug/l	99
79) 2-Chlorotoluene	11.360	91	187025	50.882	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	226462	53.502	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	25008	48.681	ug/l	96
82) 4-Chlorotoluene	11.451	91	223670	51.358	ug/l	97
83) tert-Butylbenzene	11.713	119	217784	52.480	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	229710	53.641	ug/l	98
85) sec-Butylbenzene	11.890	105	289097	54.207	ug/l	99
86) p-Isopropyltoluene	12.006	119	239019	54.674	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	125636	53.397	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	128486	51.570	ug/l	98
89) n-Butylbenzene	12.329	91	228665	54.185	ug/l	98
90) Hexachloroethane	12.536	117	38661	56.065	ug/l	86
91) 1,2-Dichlorobenzene	12.335	146	125226	54.978	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21322	51.143	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	82772	53.080	ug/l	97
94) Hexachlorobutadiene	13.725	225	32921	52.897	ug/l	97
95) Naphthalene	13.774	128	258472	52.480	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	81429	54.782	ug/l	97

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

