

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010324\
 Data File : VX039614.D
 Acq On : 03 Jan 2024 19:45
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/04/2024
 Supervised By : Mahesh Dadoda 01/04/2024

Quant Time: Jan 04 03:39:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	112006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	208000	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	195121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	95614	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91421	44.555	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.100%		
35) Dibromofluoromethane	5.385	113	66998	46.625	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.240%		
50) Toluene-d8	8.647	98	248051	46.497	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.000%		
62) 4-Bromofluorobenzene	11.079	95	99624	45.261	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.520%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	70473	44.776	ug/l	96
3) Chloromethane	1.294	50	82557	47.315	ug/l	99
4) Vinyl Chloride	1.374	62	78039	48.091	ug/l	99
5) Bromomethane	1.599	94	45477	48.711	ug/l	99
6) Chloroethane	1.685	64	46509	47.560	ug/l	98
7) Trichlorofluoromethane	1.886	101	113164	47.624	ug/l	95
8) Diethyl Ether	2.130	74	42648	51.858	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	70278	48.466	ug/l	96
10) Methyl Iodide	2.453	142	74091	49.434	ug/l	93
11) Tert butyl alcohol	2.953	59	117317	227.686	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	67211	46.663	ug/l	93
13) Acrolein	2.233	56	113067	275.066	ug/l	100
14) Allyl chloride	2.660	41	137651	47.176	ug/l	96
15) Acrylonitrile	3.062	53	266064	257.975	ug/l	99
16) Acetone	2.373	43	247234	203.212	ug/l	95
17) Carbon Disulfide	2.514	76	171162	40.608	ug/l	100
18) Methyl Acetate	2.697	43	241992	54.526	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	258566	49.637	ug/l	98
20) Methylene Chloride	2.788	84	81395	47.586	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	73532	46.916	ug/l	97
22) Diisopropyl ether	3.757	45	272165	51.242	ug/l	92
23) Vinyl Acetate	3.721	43	980768	248.035	ug/l	99
24) 1,1-Dichloroethane	3.605	63	147264	49.048	ug/l	99
25) 2-Butanone	4.550	43	382562	216.062	ug/l	99
26) 2,2-Dichloropropane	4.471	77	114604	43.722	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	86897	50.232	ug/l	98
28) Bromochloromethane	4.897	49	74422	50.801	ug/l	93
29) Tetrahydrofuran	4.995	42	248052	253.681	ug/l	100
30) Chloroform	5.092	83	145553	48.511	ug/l	95
31) Cyclohexane	5.464	56	125447	47.335	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	122758	47.130	ug/l	98
36) 1,1-Dichloropropene	5.690	75	106388	46.917	ug/l	99
37) Ethyl Acetate	4.708	43	140705	50.225	ug/l	100
38) Carbon Tetrachloride	5.672	117	99746	46.094	ug/l	99
39) Methylcyclohexane	7.379	83	125779	46.178	ug/l	99
40) Benzene	6.037	78	313269	48.838	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	75091	50.237	ug/l	96
42) 1,2-Dichloroethane	6.086	62	121515	46.800	ug/l	100
43) Isopropyl Acetate	6.336	43	226060	49.622	ug/l	100
44) Trichloroethene	7.123	130	74846	46.240	ug/l	97
45) 1,2-Dichloropropane	7.427	63	86098	50.013	ug/l	99
46) Dibromomethane	7.580	93	58081	47.995	ug/l	95
47) Bromodichloromethane	7.818	83	111600	48.232	ug/l	96
48) Methyl methacrylate	7.690	41	133239	50.028	ug/l	96
49) 1,4-Dioxane	7.659	88	35034	975.881	ug/l #	100
51) 4-Methyl-2-Pentanone	8.567	43	742356	255.756	ug/l	99
52) Toluene	8.714	92	190414	49.183	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	119272	46.821	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	130202	47.503	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	80484	49.796	ug/l	96
56) Ethyl methacrylate	9.116	69	103771	52.593	ug/l	98
57) 1,3-Dichloropropane	9.305	76	138344	49.511	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	320639	276.752	ug/l	94
59) 2-Hexanone	9.427	43	589773	235.434	ug/l	99
60) Dibromochloromethane	9.518	129	78763	48.185	ug/l	100
61) 1,2-Dibromoethane	9.610	107	84213	48.807	ug/l	99
64) Tetrachloroethene	9.275	164	57585	45.163	ug/l	96
65) Chlorobenzene	10.079	112	198117	46.518	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	71594	47.591	ug/l	98
67) Ethyl Benzene	10.189	91	377791	47.655	ug/l	97
68) m/p-Xylenes	10.299	106	270775	95.262	ug/l	94
69) o-Xylene	10.640	106	133465	48.564	ug/l	95
70) Styrene	10.652	104	197440	49.142	ug/l	96
71) Bromoform	10.799	173	52189	46.672	ug/l #	100
73) Isopropylbenzene	10.963	105	355949	48.251	ug/l	100
74) N-amyl acetate	10.841	43	191905	51.415	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	138917	50.620	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	118816m	48.032	ug/l	
77) Bromobenzene	11.195	156	77592	47.564	ug/l	90
78) n-propylbenzene	11.305	91	439557	48.361	ug/l	96
79) 2-Chlorotoluene	11.366	91	258691	47.053	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	307831	48.983	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	38694	44.126	ug/l	97
82) 4-Chlorotoluene	11.451	91	302293	46.813	ug/l	98
83) tert-Butylbenzene	11.713	119	292019	48.825	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	310424	48.168	ug/l	100
85) sec-Butylbenzene	11.890	105	375793	49.377	ug/l	98
86) p-Isopropyltoluene	12.006	119	309690	48.487	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	150560	46.979	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	151047	45.265	ug/l	99
89) n-Butylbenzene	12.329	91	310183	49.402	ug/l	96
90) Hexachloroethane	12.536	117	54502	47.239	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	146851	47.890	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	34515	47.750	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	93846	46.738	ug/l	99
94) Hexachlorobutadiene	13.725	225	37302	49.296	ug/l	98
95) Naphthalene	13.774	128	352810	50.454	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	92145	47.537	ug/l	98

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

