

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090523\
 Data File : VX037526.D
 Acq On : 05 Sep 2023 20:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/06/2023
 Supervised By : Mahesh Dadoda 09/06/2023

Quant Time: Sep 06 03:02:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	124131	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	217255	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	202474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108567	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	91229	50.978	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.960%			
35) Dibromofluoromethane	5.385	113	81450	56.609	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.220%			
50) Toluene-d8	8.653	98	281345	53.906	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.820%			
62) 4-Bromofluorobenzene	11.079	95	116440	56.771	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.540%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	69452	48.166	ug/l	100
3) Chloromethane	1.307	50	70138	55.600	ug/l	98
4) Vinyl Chloride	1.374	62	74307	54.116	ug/l	98
5) Bromomethane	1.593	94	31319	45.790	ug/l	98
6) Chloroethane	1.673	64	40063	49.582	ug/l	97
7) Trichlorofluoromethane	1.880	101	114164	50.756	ug/l	99
8) Diethyl Ether	2.136	74	46935	53.935	ug/l	76
9) 1,1,2-Trichlorotrifluo...	2.325	101	68497	52.201	ug/l	95
10) Methyl Iodide	2.447	142	85840	53.825	ug/l	93
11) Tert butyl alcohol	2.971	59	109225	260.188	ug/l #	92
12) 1,1-Dichloroethene	2.313	96	67739	53.012	ug/l	80
13) Acrolein	2.240	56	69244	216.825	ug/l	98
14) Allyl chloride	2.660	41	100993	51.063	ug/l #	87
15) Acrylonitrile	3.063	53	229595	306.423	ug/l	98
16) Acetone	2.386	43	186519	266.419	ug/l #	86
17) Carbon Disulfide	2.508	76	139048	42.780	ug/l	99
18) Methyl Acetate	2.703	43	150365	57.043	ug/l #	86
19) Methyl tert-butyl Ether	3.117	73	262844	54.237	ug/l	96
20) Methylene Chloride	2.788	84	84474	53.955	ug/l #	84
21) trans-1,2-Dichloroethene	3.087	96	73840	50.834	ug/l	86
22) Diisopropyl ether	3.764	45	221273	54.520	ug/l #	82
23) Vinyl Acetate	3.721	43	819993	263.654	ug/l #	90
24) 1,1-Dichloroethane	3.605	63	137353	53.968	ug/l	97
25) 2-Butanone	4.556	43	295329	280.162	ug/l #	85
26) 2,2-Dichloropropane	4.471	77	82623	36.351	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	94790	55.354	ug/l	82
28) Bromochloromethane	4.898	49	61194	53.824	ug/l #	71
29) Tetrahydrofuran	5.007	42	187564	279.008	ug/l #	82
30) Chloroform	5.093	83	153330	53.668	ug/l	99
31) Cyclohexane	5.471	56	101523	50.453	ug/l	85
32) 1,1,1-Trichloroethane	5.385	97	133041	51.965	ug/l	96
36) 1,1-Dichloropropene	5.690	75	100398	49.114	ug/l	97
37) Ethyl Acetate	4.715	43	110417	52.878	ug/l #	90
38) Carbon Tetrachloride	5.678	117	113848	51.270	ug/l	99
39) Methylcyclohexane	7.379	83	119465	55.624	ug/l	90
40) Benzene	6.038	78	317335	54.128	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	59966	55.241	ug/l #	84
42) 1,2-Dichloroethane	6.086	62	113266	49.265	ug/l	93
43) Isopropyl Acetate	6.342	43	175697	52.998	ug/l #	89
44) Trichloroethene	7.123	130	84350	50.740	ug/l	94
45) 1,2-Dichloropropane	7.434	63	81053	56.070	ug/l	98
46) Dibromomethane	7.580	93	60778	53.371	ug/l	93
47) Bromodichloromethane	7.824	83	116939	53.612	ug/l	99
48) Methyl methacrylate	7.696	41	85506	52.888	ug/l #	79
49) 1,4-Dioxane	7.659	88	51605	1185.182	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	578617	287.430	ug/l	88
52) Toluene	8.720	92	209857	54.176	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	118594	51.063	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	129458	51.582	ug/l #	84
55) 1,1,2-Trichloroethane	9.153	97	91952	58.296	ug/l	98
56) Ethyl methacrylate	9.116	69	140040	56.681	ug/l #	81
57) 1,3-Dichloropropane	9.311	76	148889	55.994	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	302476	255.114	ug/l	91
59) 2-Hexanone	9.433	43	448178	291.988	ug/l	83
60) Dibromochloromethane	9.525	129	95703	56.987	ug/l	99
61) 1,2-Dibromoethane	9.610	107	96583	55.926	ug/l	100
64) Tetrachloroethene	9.275	164	71558	48.446	ug/l	98
65) Chlorobenzene	10.080	112	230649	53.898	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	89942	56.947	ug/l	99
67) Ethyl Benzene	10.195	91	398100	52.868	ug/l	98
68) m/p-Xylenes	10.299	106	311362	107.074	ug/l	97
69) o-Xylene	10.640	106	159086	55.450	ug/l	97
70) Styrene	10.659	104	268367	56.786	ug/l	96
71) Bromoform	10.799	173	71756	60.737	ug/l #	100
73) Isopropylbenzene	10.964	105	411944	52.203	ug/l	99
74) N-amyl acetate	10.842	43	155611	50.750	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	11.214	83	151363	56.956	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	121726m	52.647	ug/l	
77) Bromobenzene	11.201	156	101283	52.553	ug/l	90
78) n-propylbenzene	11.305	91	462272	52.609	ug/l	98
79) 2-Chlorotoluene	11.366	91	291073	51.836	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	354404	53.839	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	40635	49.087	ug/l #	85
82) 4-Chlorotoluene	11.457	91	327092	50.463	ug/l	96
83) tert-Butylbenzene	11.713	119	369345	58.833	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	355105	53.377	ug/l	96
85) sec-Butylbenzene	11.890	105	438686	59.825	ug/l	98
86) p-Isopropyltoluene	12.012	119	374431	59.317	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	191107	52.965	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	192333	51.593	ug/l	99
89) n-Butylbenzene	12.335	91	306316	58.530	ug/l	98
90) Hexachloroethane	12.536	117	65629	62.290	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	197362	55.859	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	34015	55.085	ug/l	75
93) 1,2,4-Trichlorobenzene	13.585	180	117008	56.598	ug/l	98
94) Hexachlorobutadiene	13.725	225	51327	64.266	ug/l	97
95) Naphthalene	13.774	128	435566	48.098	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	119545	58.203	ug/l	98

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

