

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101123\
 Data File : VX038242.D
 Acq On : 11 Oct 2023 20:10
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 12 02:50:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/12/2023
 Supervised By : Mahesh Dadoda 10/12/2023

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	130979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	227273	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	227508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	125201	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.958	65	98895	46.943	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.880%
35) Dibromofluoromethane	5.385	113	78609	48.001	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.000%
50) Toluene-d8	8.646	98	295675	47.249	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.500%
62) 4-Bromofluorobenzene	11.079	95	113395	47.797	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	58630	46.374	ug/l	99
3) Chloromethane	1.300	50	53446	41.477	ug/l	95
4) Vinyl Chloride	1.373	62	66252	46.372	ug/l	100
5) Bromomethane	1.599	94	106355	56.796	ug/l	97
6) Chloroethane	1.678	64	57860	54.870	ug/l	99
7) Trichlorofluoromethane	1.886	101	147999	52.445	ug/l	99
8) Diethyl Ether	2.135	74	53192	50.540	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.331	101	60379	49.011	ug/l	99
10) Methyl Iodide	2.452	142	81802	46.149	ug/l	94
11) Tert butyl alcohol	2.958	59	105010	224.681	ug/l #	93
12) 1,1-Dichloroethene	2.318	96	57219	47.748	ug/l	84
13) Acrolein	2.233	56	86925	290.242	ug/l	97
14) Allyl chloride	2.666	41	94773	44.215	ug/l	94
15) Acrylonitrile	3.062	53	230397	240.317	ug/l	99
16) Acetone	2.379	43	198376	225.623	ug/l	94
17) Carbon Disulfide	2.513	76	139382	40.355	ug/l	99
18) Methyl Acetate	2.702	43	184008	48.802	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	224984	47.140	ug/l	98
20) Methylene Chloride	2.788	84	72256	43.690	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	68854	46.406	ug/l	90
22) Diisopropyl ether	3.763	45	215719	48.020	ug/l #	87
23) Vinyl Acetate	3.721	43	785021	238.288	ug/l	96
24) 1,1-Dichloroethane	3.611	63	126766	46.498	ug/l	99
25) 2-Butanone	4.556	43	338318	238.483	ug/l	94
26) 2,2-Dichloropropane	4.476	77	86972	40.860	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	84759	47.966	ug/l	90
28) Bromochloromethane	4.903	49	59118	48.035	ug/l	85
29) Tetrahydrofuran	5.001	42	221973	240.331	ug/l	89
30) Chloroform	5.098	83	149119	50.019	ug/l	98
31) Cyclohexane	5.470	56	102110	44.736	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	124843	48.890	ug/l	99
36) 1,1-Dichloropropene	5.696	75	99630	44.118	ug/l	97
37) Ethyl Acetate	4.714	43	127093	47.387	ug/l	97
38) Carbon Tetrachloride	5.678	117	106411	47.899	ug/l	98
39) Methylcyclohexane	7.378	83	118021	44.618	ug/l	93
40) Benzene	6.037	78	301789	47.779	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	64246	48.153	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	119751	47.453	ug/l	99
43) Isopropyl Acetate	6.336	43	189411	47.308	ug/l	97
44) Trichloroethene	7.128	130	80103	48.487	ug/l	100
45) 1,2-Dichloropropane	7.427	63	79074	48.370	ug/l	97
46) Dibromomethane	7.580	93	61630	48.607	ug/l	97
47) Bromodichloromethane	7.823	83	117363	52.033	ug/l	99
48) Methyl methacrylate	7.689	41	92963	48.637	ug/l #	85
49) 1,4-Dioxane	7.659	88	47574	1010.064	ug/l #	87
51) 4-Methyl-2-Pentanone	8.573	43	691213	250.288	ug/l	97
52) Toluene	8.720	92	200124	48.639	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	119699	49.439	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	127408	50.087	ug/l	92
55) 1,1,2-Trichloroethane	9.152	97	87709	49.838	ug/l	94
56) Ethyl methacrylate	9.116	69	131914	48.888	ug/l	92
57) 1,3-Dichloropropane	9.311	76	141343	49.657	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	325907	246.064	ug/l	99
59) 2-Hexanone	9.427	43	555606	250.253	ug/l	95
60) Dibromochloromethane	9.518	129	91466	53.103	ug/l	100
61) 1,2-Dibromoethane	9.610	107	96587	50.751	ug/l	100
64) Tetrachloroethene	9.274	164	70080	47.582	ug/l	98
65) Chlorobenzene	10.079	112	219264	46.057	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	82208	51.066	ug/l	99
67) Ethyl Benzene	10.195	91	398341	46.876	ug/l	99
68) m/p-Xylenes	10.299	106	306953	93.418	ug/l	99
69) o-Xylene	10.640	106	151606	47.275	ug/l	99
70) Styrene	10.652	104	255831	48.986	ug/l	97
71) Bromoform	10.799	173	66595	44.902	ug/l #	99
73) Isopropylbenzene	10.963	105	398439	47.454	ug/l	99
74) N-amyl acetate	10.841	43	170271	47.488	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	149215	48.431	ug/l	98
76) 1,2,3-Trichloropropane	11.237	75	136281m	47.880	ug/l	
77) Bromobenzene	11.201	156	95878	46.772	ug/l	93
78) n-propylbenzene	11.305	91	478706	46.628	ug/l	99
79) 2-Chlorotoluene	11.366	91	277198	45.527	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	343832	47.465	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	39388	41.181	ug/l	97
82) 4-Chlorotoluene	11.457	91	330065	45.812	ug/l	98
83) tert-Butylbenzene	11.713	119	342849	48.437	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	343735	47.592	ug/l	98
85) sec-Butylbenzene	11.890	105	433691	47.300	ug/l	99
86) p-Isopropyltoluene	12.012	119	358357	47.371	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	188604	45.807	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	193761	46.095	ug/l	98
89) n-Butylbenzene	12.335	91	342044	45.400	ug/l	95
90) Hexachloroethane	12.536	117	62433	49.777	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	183812	46.444	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.944	75	36326	48.765	ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	118961	44.815	ug/l	98
94) Hexachlorobutadiene	13.725	225	49679	46.499	ug/l	98
95) Naphthalene	13.774	128	424899	45.964	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	118413	46.071	ug/l	97

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

