

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101023\
 Data File : VX038212.D
 Acq On : 10 Oct 2023 19:24
 Operator : JC/MD
 Sample : 04782-14MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-5-10-13MSD

Quant Time: Oct 11 01:42:53 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 10/11/2023
 Supervised By : Mahesh Dadoda 10/11/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	124306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	215489	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	128318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	96708	48.369	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.740%		
35) Dibromofluoromethane	5.385	113	76663	49.373	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.740%		
50) Toluene-d8	8.647	98	292126	49.234	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.460%		
62) 4-Bromofluorobenzene	11.079	95	115737	51.452	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	64760	53.973	ug/l	98
3) Chloromethane	1.300	50	65097	53.230	ug/l	98
4) Vinyl Chloride	1.374	62	72707	53.622	ug/l	99
5) Bromomethane	1.599	94	109257	61.550	ug/l	99
6) Chloroethane	1.678	64	58364	57.967	ug/l	98
7) Trichlorofluoromethane	1.886	101	153114	57.170	ug/l	99
8) Diethyl Ether	2.130	74	55291	55.355	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.331	101	60987	52.162	ug/l	98
10) Methyl Iodide	2.453	142	87797	52.190	ug/l	96
11) Tert butyl alcohol	2.959	59	103111	232.863	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	62129	54.628	ug/l	90
13) Acrolein	2.233	56	95121	334.658	ug/l	98
14) Allyl chloride	2.660	41	101842	50.064	ug/l	93
15) Acrylonitrile	3.062	53	242297	266.296	ug/l	99
16) Acetone	2.380	43	204792	245.424	ug/l	93
17) Carbon Disulfide	2.508	76	156152	47.638	ug/l	100
18) Methyl Acetate	2.703	43	183273	51.217	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	238773	52.715	ug/l	98
20) Methylene Chloride	2.788	84	76084	48.474	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	73373	52.106	ug/l	89
22) Diisopropyl ether	3.757	45	221710	52.003	ug/l #	96
23) Vinyl Acetate	3.721	43	784972	251.064	ug/l	95
24) 1,1-Dichloroethane	3.611	63	134992	52.173	ug/l	98
25) 2-Butanone	4.550	43	343171	254.890	ug/l	93
26) 2,2-Dichloropropane	4.477	77	90101	44.602	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	88933	53.029	ug/l	89
28) Bromochloromethane	4.897	49	63701	54.537	ug/l	88
29) Tetrahydrofuran	5.001	42	222974	254.375	ug/l	88
30) Chloroform	5.092	83	158114	55.883	ug/l	96
31) Cyclohexane	5.470	56	106976	49.384	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	129916	53.608	ug/l	100
36) 1,1-Dichloropropene	5.690	75	104813	48.951	ug/l	97
37) Ethyl Acetate	4.715	43	123802	48.684	ug/l	97
38) Carbon Tetrachloride	5.678	117	109587	52.026	ug/l	98
39) Methylcyclohexane	7.385	83	119686	47.721	ug/l	93
40) Benzene	6.037	78	314277	52.477	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	67204	53.124	ug/l #	90
42) 1,2-Dichloroethane	6.086	62	123801	51.740	ug/l	99
43) Isopropyl Acetate	6.342	43	192180	50.624	ug/l	97
44) Trichloroethene	7.123	130	82172	52.460	ug/l	98
45) 1,2-Dichloropropane	7.427	63	80527	51.953	ug/l	98
46) Dibromomethane	7.580	93	63411	52.747	ug/l	99
47) Bromodichloromethane	7.824	83	117579	54.979	ug/l	99
48) Methyl methacrylate	7.690	41	95276	52.573	ug/l #	85
49) 1,4-Dioxane	7.659	88	44649	999.801	ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	703099	268.515	ug/l	97
52) Toluene	8.720	92	209105	53.601	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	123886	53.967	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	123899	51.371	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	90226	54.072	ug/l	94
56) Ethyl methacrylate	9.116	69	137497	53.744	ug/l	92
57) 1,3-Dichloropropane	9.305	76	142477	52.793	ug/l	99
59) 2-Hexanone	9.433	43	572586	272.005	ug/l	95
60) Dibromochloromethane	9.519	129	95580	58.527	ug/l	99
61) 1,2-Dibromoethane	9.610	107	99796	55.305	ug/l	99
64) Tetrachloroethene	9.275	164	69114	48.808	ug/l	97
65) Chlorobenzene	10.079	112	230746	50.413	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	84762	54.764	ug/l	98
67) Ethyl Benzene	10.195	91	421617	51.604	ug/l	100
68) m/p-Xylenes	10.299	106	321544	101.783	ug/l	99
69) o-Xylene	10.640	106	157057	50.938	ug/l	100
70) Styrene	10.652	104	265010	52.778	ug/l	97
71) Bromoform	10.799	173	71303	49.679	ug/l #	99
73) Isopropylbenzene	10.963	105	418192	48.596	ug/l	99
74) N-amyl acetate	10.841	43	178852	48.670	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	163765	51.862	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	149712m	51.321	ug/l	
77) Bromobenzene	11.201	156	102628	48.849	ug/l	93
78) n-propylbenzene	11.305	91	509231	48.396	ug/l	99
79) 2-Chlorotoluene	11.366	91	296576	47.527	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	364749	49.130	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	44022	44.543	ug/l	92
82) 4-Chlorotoluene	11.451	91	354216	47.969	ug/l	96
83) tert-Butylbenzene	11.713	119	371451	51.204	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	370718	50.081	ug/l	99
85) sec-Butylbenzene	11.890	105	461893	49.152	ug/l	100
86) p-Isopropyltoluene	12.012	119	387615	49.994	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	205797	48.769	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	210111	48.771	ug/l	98
89) n-Butylbenzene	12.335	91	365978	47.397	ug/l	96
90) Hexachloroethane	12.536	117	66747	51.923	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	200984	49.550	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	38927	50.987	ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	127689	46.935	ug/l	96
94) Hexachlorobutadiene	13.725	225	51089	46.657	ug/l	98
95) Naphthalene	13.774	128	446426	47.120	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	123526	46.893	ug/l	98

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

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