

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082823\
 Data File : VX037306.D
 Acq On : 28 Aug 2023 19:50
 Operator : JC/MD
 Sample : 04126-11MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW201D1-20230819MSD

Quant Time: Aug 29 01:03:46 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

Manual Integrations APPROVED

Reviewed By : John Carlone 08/29/2023
 Supervised By : Semsettin Yesilyurt 08/29/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	86036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	176927	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	175324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86696	69.896	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 139.800%#			
35) Dibromofluoromethane	5.385	113	70935	60.538	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 121.080%			
50) Toluene-d8	8.647	98	237374	55.848	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 111.700%			
62) 4-Bromofluorobenzene	11.079	95	101424	60.721	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 121.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	44888	44.915	ug/l	99
3) Chloromethane	1.301	50	65804	75.261	ug/l	95
4) Vinyl Chloride	1.374	62	59657	62.684	ug/l	98
5) Bromomethane	1.593	94	28893	60.948	ug/l	96
6) Chloroethane	1.666	64	26456	47.239	ug/l	96
7) Trichlorofluoromethane	1.874	101	73010	46.832	ug/l	97
8) Diethyl Ether	2.136	74	44657	74.039	ug/l	76
9) 1,1,2-Trichlorotrifluo...	2.319	101	37988	41.769	ug/l	97
10) Methyl Iodide	2.447	142	76738	69.423	ug/l	94
11) Tert butyl alcohol	2.983	59	113176	388.974	ug/l #	93
12) 1,1-Dichloroethene	2.313	96	49585	55.987	ug/l	83
13) Acrolein	2.239	56	70186	317.087	ug/l	99
14) Allyl chloride	2.660	41	90054	65.693	ug/l #	88
15) Acrylonitrile	3.063	53	206186	397.025	ug/l	99
16) Acetone	2.386	43	174827	360.288	ug/l #	89
17) Carbon Disulfide	2.502	76	118705	52.693	ug/l	99
18) Methyl Acetate	2.703	43	128815	70.505	ug/l #	87
19) Methyl tert-butyl Ether	3.117	73	242634	72.235	ug/l	96
20) Methylene Chloride	2.788	84	76648	70.634	ug/l #	84
21) trans-1,2-Dichloroethene	3.087	96	61385	60.971	ug/l	86
22) Diisopropyl ether	3.764	45	196363	69.806	ug/l #	80
23) Vinyl Acetate	3.721	43	725880	336.735	ug/l #	90
24) 1,1-Dichloroethane	3.605	63	118487	67.169	ug/l	96
25) 2-Butanone	4.556	43	278058	380.573	ug/l #	86
26) 2,2-Dichloropropane	4.477	77	71752	45.546	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	80325	67.676	ug/l	86
28) Bromochloromethane	4.898	49	54326	68.940	ug/l #	77
29) Tetrahydrofuran	5.007	42	176243	378.249	ug/l #	83
30) Chloroform	5.093	83	132599	66.962	ug/l	95
31) Cyclohexane	5.465	56	63153	45.281	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	103283	58.204	ug/l	96
36) 1,1-Dichloropropene	5.690	75	75076	45.098	ug/l	97
37) Ethyl Acetate	4.715	43	98289	57.799	ug/l #	92
38) Carbon Tetrachloride	5.678	117	82489	45.615	ug/l	97
39) Methylcyclohexane	7.379	83	66337	37.928	ug/l	91
40) Benzene	6.038	78	272098	56.990	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	56042	63.394	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	109200	58.323	ug/l	94
43) Isopropyl Acetate	6.342	43	158979	58.885	ug/l #	91
44) Trichloroethene	7.123	130	69422	51.278	ug/l	96
45) 1,2-Dichloropropane	7.428	63	70605	59.975	ug/l	99
46) Dibromomethane	7.580	93	56792	61.238	ug/l	95
47) Bromodichloromethane	7.824	83	105197	59.221	ug/l	95
48) Methyl methacrylate	7.696	41	81513	61.910	ug/l #	84
49) 1,4-Dioxane	7.665	88	53194	1500.139	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	538426	328.429	ug/l	90
52) Toluene	8.720	92	176191	55.852	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	110176	58.252	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	116890	57.190	ug/l #	85
55) 1,1,2-Trichloroethane	9.153	97	82216	64.005	ug/l	99
56) Ethyl methacrylate	9.116	69	129134	64.181	ug/l #	84
57) 1,3-Dichloropropane	9.311	76	136415	62.997	ug/l	99
59) 2-Hexanone	9.433	43	420094	336.075	ug/l	86
60) Dibromochloromethane	9.519	129	86794	63.463	ug/l	100
61) 1,2-Dibromoethane	9.610	107	89719	63.793	ug/l	99
64) Tetrachloroethene	9.275	164	49342	38.578	ug/l	97
65) Chlorobenzene	10.080	112	198188	53.484	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	77908	56.966	ug/l	99
67) Ethyl Benzene	10.195	91	325001	49.844	ug/l	99
68) m/p-Xylenes	10.299	106	255259	101.374	ug/l	98
69) o-Xylene	10.640	106	134194	54.017	ug/l	97
70) Styrene	10.653	104	229986	56.201	ug/l	97
71) Bromoform	10.799	173	64829	63.371	ug/l #	99
73) Isopropylbenzene	10.964	105	313735	48.360	ug/l	99
74) N-amyl acetate	10.842	43	138973	55.131	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.213	83	135849	62.179	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	109676m	57.699	ug/l	
77) Bromobenzene	11.201	156	88527	55.874	ug/l	93
78) n-propylbenzene	11.305	91	344193	47.647	ug/l	99
79) 2-Chlorotoluene	11.366	91	240698	52.140	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	274610	50.744	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	38028	55.878	ug/l	86
82) 4-Chlorotoluene	11.451	91	273074	51.245	ug/l	98
83) tert-Butylbenzene	11.713	119	278106	53.885	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	284977	52.105	ug/l	96
85) sec-Butylbenzene	11.890	105	296078	49.114	ug/l	99
86) p-Isopropyltoluene	12.006	119	259014	49.911	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	155596	52.454	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	158034	51.566	ug/l	99
89) n-Butylbenzene	12.329	91	196877	45.759	ug/l	99
90) Hexachloroethane	12.536	117	47684	55.051	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	165049	56.821	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	32447	63.915	ug/l	83
93) 1,2,4-Trichlorobenzene	13.585	180	89408	52.605	ug/l	98
94) Hexachlorobutadiene	13.725	225	27179	41.394	ug/l	99
95) Naphthalene	13.774	128	377579	50.716	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	95400	56.498	ug/l	100

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

