

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081723\
 Data File : VX037061.D
 Acq On : 17 Aug 2023 15:10
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/18/2023
 Supervised By : Semsettin Yesilyurt 08/18/2023

Quant Time: Aug 18 06:05:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 05:51:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	148828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	267015	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	247642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	123114	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	116286	54.197	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.400%	
35) Dibromofluoromethane	5.385	113	91879	51.957	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.920%	
50) Toluene-d8	8.647	98	329057	51.298	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.600%	
62) 4-Bromofluorobenzene	11.079	95	127105	50.422	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.840%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	87434	50.575	ug/l	99
3) Chloromethane	1.301	50	82002	54.218	ug/l	98
4) Vinyl Chloride	1.374	62	83629	50.798	ug/l	98
5) Bromomethane	1.599	94	40464	49.343	ug/l	97
6) Chloroethane	1.672	64	46933	48.445	ug/l	98
7) Trichlorofluoromethane	1.880	101	132195	49.020	ug/l	99
8) Diethyl Ether	2.136	74	57830	55.427	ug/l	74
9) 1,1,2-Trichlorotrifluo...	2.325	101	74946	47.638	ug/l	97
10) Methyl Iodide	2.447	142	106356	55.623	ug/l	97
11) Tert butyl alcohol	2.977	59	134318	266.867	ug/l #	92
12) 1,1-Dichloroethene	2.313	96	76599	49.998	ug/l	88
13) Acrolein	2.239	56	101425	264.892	ug/l	97
14) Allyl chloride	2.660	41	130300	54.948	ug/l #	94
15) Acrylonitrile	3.062	53	246962	274.906	ug/l	99
16) Acetone	2.386	43	220306	262.460	ug/l	92
17) Carbon Disulfide	2.508	76	191404	49.116	ug/l	100
18) Methyl Acetate	2.703	43	173204	54.803	ug/l #	88
19) Methyl tert-butyl Ether	3.117	73	320532	55.165	ug/l	98
20) Methylene Chloride	2.788	84	94080	50.119	ug/l #	88
21) trans-1,2-Dichloroethene	3.087	96	91232	52.385	ug/l	89
22) Diisopropyl ether	3.763	45	265702	54.604	ug/l #	83
23) Vinyl Acetate	3.721	43	1053879	282.625	ug/l #	91
24) 1,1-Dichloroethane	3.605	63	163601	53.614	ug/l	97
25) 2-Butanone	4.556	43	347790	275.179	ug/l #	88
26) 2,2-Dichloropropane	4.477	77	139864	51.324	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	110046	53.599	ug/l	90
28) Bromochloromethane	4.904	49	74845	54.906	ug/l #	76
29) Tetrahydrofuran	5.007	42	222088	275.542	ug/l #	84
30) Chloroform	5.093	83	183724	53.635	ug/l	98
31) Cyclohexane	5.470	56	112837	46.770	ug/l	89
32) 1,1,1-Trichloroethane	5.379	97	158717	51.706	ug/l	96
36) 1,1-Dichloropropene	5.696	75	120373	47.912	ug/l	97
37) Ethyl Acetate	4.715	43	135736	52.889	ug/l #	94
38) Carbon Tetrachloride	5.672	117	133305	48.845	ug/l	96
39) Methylcyclohexane	7.379	83	113800	43.112	ug/l	91
40) Benzene	6.037	78	374036	51.910	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	72505	54.345	ug/l #	90
42) 1,2-Dichloroethane	6.086	62	150383	53.220	ug/l	96
43) Isopropyl Acetate	6.342	43	221193	54.287	ug/l #	92
44) Trichloroethene	7.123	130	102073	49.958	ug/l	96
45) 1,2-Dichloropropane	7.427	63	94100	52.964	ug/l	97
46) Dibromomethane	7.580	93	75331	53.822	ug/l	94
47) Bromodichloromethane	7.824	83	145119	54.132	ug/l	99
48) Methyl methacrylate	7.696	41	106617	53.656	ug/l #	86
49) 1,4-Dioxane	7.659	88	57551	1075.425	ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	656926	265.516	ug/l	91
52) Toluene	8.720	92	243133	51.069	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	158926	55.677	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	167681	54.361	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	102555	52.902	ug/l	98
56) Ethyl methacrylate	9.116	69	164596	54.205	ug/l	87
57) 1,3-Dichloropropane	9.305	76	172314	52.727	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	388708	266.748	ug/l	92
59) 2-Hexanone	9.433	43	506530	268.506	ug/l	90
60) Dibromochloromethane	9.519	129	115034	55.733	ug/l	99
61) 1,2-Dibromoethane	9.610	107	113108	53.290	ug/l	100
64) Tetrachloroethene	9.275	164	86776	48.033	ug/l	99
65) Chlorobenzene	10.079	112	263910	50.422	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	102021	52.813	ug/l	99
67) Ethyl Benzene	10.195	91	457978	49.727	ug/l	100
68) m/p-Xylenes	10.299	106	353617	99.425	ug/l	99
69) o-Xylene	10.640	106	177723	50.648	ug/l	99
70) Styrene	10.652	104	301049	52.083	ug/l	98
71) Bromoform	10.799	173	82247	56.919	ug/l #	100
73) Isopropylbenzene	10.963	105	431743	48.247	ug/l	99
74) N-amyl acetate	10.841	43	187572	53.945	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	154540	51.280	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	132746m	50.629	ug/l	
77) Bromobenzene	11.195	156	111266	50.912	ug/l	93
78) n-propylbenzene	11.305	91	477879	47.959	ug/l	99
79) 2-Chlorotoluene	11.366	91	314286	49.357	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	367349	49.212	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	50684	53.992	ug/l	88
82) 4-Chlorotoluene	11.451	91	365937	49.785	ug/l	98
83) tert-Butylbenzene	11.713	119	337044	47.344	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	372063	49.318	ug/l	97
85) sec-Butylbenzene	11.890	105	387781	46.635	ug/l	99
86) p-Isopropyltoluene	12.006	119	337363	47.129	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	202698	49.539	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	208447	50.150	ug/l	99
89) n-Butylbenzene	12.329	91	275476	46.418	ug/l	99
90) Hexachloroethane	12.536	117	59674	49.946	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	205962	51.405	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	39033	55.742	ug/l	85
93) 1,2,4-Trichlorobenzene	13.585	180	115220	49.148	ug/l	98
94) Hexachlorobutadiene	13.725	225	40260	44.453	ug/l	97
95) Naphthalene	13.774	128	486961	47.419	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	116594	50.058	ug/l	98

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

