

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062423\
 Data File : VX036304.D
 Acq On : 24 Jun 2023 12:20
 Operator : JC/MD
 Sample : VX0624WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0624WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/26/2023
 Supervised By : Mahesh Dadoda 06/26/2023

Quant Time: Jun 26 03:22:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	235711	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	398593	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	363142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	176869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	174696	51.704	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.400%			
35) Dibromofluoromethane	5.385	113	137473	52.307	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.620%			
50) Toluene-d8	8.647	98	515236	52.488	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.980%			
62) 4-Bromofluorobenzene	11.079	95	191434	55.365	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.740%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	42471	19.032	ug/l	95
3) Chloromethane	1.294	50	68184	17.613	ug/l	100
4) Vinyl Chloride	1.374	62	75359	17.806	ug/l	100
5) Bromomethane	1.617	94	55509	17.925	ug/l	97
6) Chloroethane	1.691	64	55900	17.992	ug/l	98
7) Trichlorofluoromethane	1.892	101	115702	17.982	ug/l	99
8) Diethyl Ether	2.136	74	48109	19.369	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	52114	19.299	ug/l	98
10) Methyl Iodide	2.453	142	61198	18.703	ug/l	92
11) Tert butyl alcohol	3.014	59	54382	88.422	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	50476	18.843	ug/l	91
13) Acrolein	2.239	56	83845	99.265	ug/l	99
14) Allyl chloride	2.666	41	85015	19.528	ug/l	98
15) Acrylonitrile	3.068	53	153728	98.612	ug/l	98
16) Acetone	2.392	43	143080	99.074	ug/l	96
17) Carbon Disulfide	2.514	76	118641	18.033	ug/l	98
18) Methyl Acetate	2.703	43	119386	20.103	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	174861	20.199	ug/l	100
20) Methylene Chloride	2.788	84	57662	18.544	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	51638	18.064	ug/l	94
22) Diisopropyl ether	3.757	45	173359	19.873	ug/l	96
23) Vinyl Acetate	3.721	43	643874	101.710	ug/l	98
24) 1,1-Dichloroethane	3.611	63	98030	19.068	ug/l	98
25) 2-Butanone	4.562	43	215483	103.848	ug/l	97
26) 2,2-Dichloropropane	4.477	77	77459	21.244	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	60329	18.819	ug/l	94
28) Bromochloromethane	4.897	49	50557	18.962	ug/l	89
29) Tetrahydrofuran	5.013	42	137150	103.817	ug/l	96
30) Chloroform	5.092	83	100723	19.452	ug/l	99
31) Cyclohexane	5.470	56	84059	19.414	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	85966	19.876	ug/l	100
36) 1,1-Dichloropropene	5.690	75	74396	18.990	ug/l	98
37) Ethyl Acetate	4.714	43	82123	20.567	ug/l	97
38) Carbon Tetrachloride	5.684	117	73014	20.406	ug/l	93
39) Methylcyclohexane	7.379	83	92982	19.815	ug/l	94
40) Benzene	6.037	78	216883	19.818	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	45631	20.600	ug/l	97
42) 1,2-Dichloroethane	6.086	62	85931	20.644	ug/l	100
43) Isopropyl Acetate	6.342	43	133584	20.971	ug/l	98
44) Trichloroethene	7.123	130	58026	19.062	ug/l	95
45) 1,2-Dichloropropane	7.427	63	59599	19.996	ug/l	99
46) Dibromomethane	7.580	93	42350	20.185	ug/l	94
47) Bromodichloromethane	7.824	83	76454	20.150	ug/l	99
48) Methyl methacrylate	7.690	41	66708	21.004	ug/l	95
49) 1,4-Dioxane	7.714	88	25596	363.537	ug/l #	94
51) 4-Methyl-2-Pentanone	8.574	43	430504	104.902	ug/l	99
52) Toluene	8.720	92	135833	19.585	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	79871	20.840	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	89409	20.636	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	56837	19.718	ug/l	92
56) Ethyl methacrylate	9.116	69	89774	20.823	ug/l	98
57) 1,3-Dichloropropane	9.305	76	97666	19.771	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	252519	104.220	ug/l	99
59) 2-Hexanone	9.427	43	330959	110.435	ug/l	99
60) Dibromochloromethane	9.518	129	56986	20.348	ug/l	100
61) 1,2-Dibromoethane	9.610	107	61763	20.191	ug/l	98
64) Tetrachloroethene	9.275	164	49330	19.239	ug/l	97
65) Chlorobenzene	10.079	112	149444	19.577	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	51268	19.869	ug/l	93
67) Ethyl Benzene	10.195	91	270828	19.956	ug/l	99
68) m/p-Xylenes	10.299	106	206064	39.081	ug/l	100
69) o-Xylene	10.640	106	102724	20.175	ug/l	97
70) Styrene	10.652	104	168279	20.185	ug/l	97
71) Bromoform	10.799	173	37434	20.226	ug/l #	96
73) Isopropylbenzene	10.963	105	266148	19.968	ug/l	99
74) N-amyl acetate	10.841	43	115945	21.992	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	92710	20.540	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	76268m	20.216	ug/l	
77) Bromobenzene	11.195	156	63646	19.419	ug/l	94
78) n-propylbenzene	11.305	91	308120	19.794	ug/l	100
79) 2-Chlorotoluene	11.366	91	182680	19.728	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	224579	19.895	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	24552	21.214	ug/l	97
82) 4-Chlorotoluene	11.451	91	212228	19.686	ug/l	98
83) tert-Butylbenzene	11.713	119	217274	20.084	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	227363	20.359	ug/l	98
85) sec-Butylbenzene	11.890	105	278747	20.339	ug/l	99
86) p-Isopropyltoluene	12.006	119	237211	20.624	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	121035	20.086	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	119097	19.410	ug/l	98
89) n-Butylbenzene	12.329	91	210190	20.535	ug/l	98
90) Hexachloroethane	12.536	117	35273	20.248	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	120106	20.242	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18715	21.829	ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	75897	20.767	ug/l	96
94) Hexachlorobutadiene	13.725	225	30651	20.478	ug/l	97
95) Naphthalene	13.774	128	251874	20.861	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	75815	21.267	ug/l	97

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

