

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022323\
 Data File : VX034241.D
 Acq On : 23 Feb 2023 11:41
 Operator : JC/MD
 Sample : VX0223WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0223WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/24/2023
 Supervised By : Mahesh Dadoda 02/24/2023

Quant Time: Feb 23 21:39:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	314656	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	510581	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	450525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	222229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	183383	43.274	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.540%		
35) Dibromofluoromethane	5.385	113	157769	47.458	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.920%		
50) Toluene-d8	8.647	98	591004	49.516	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.040%		
62) 4-Bromofluorobenzene	11.079	95	215875	47.284	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	51319	18.874	ug/l	100
3) Chloromethane	1.301	50	73286	18.730	ug/l	99
4) Vinyl Chloride	1.374	62	75695	21.243	ug/l	99
5) Bromomethane	1.605	94	44104	30.021	ug/l	99
6) Chloroethane	1.685	64	42245	23.582	ug/l	98
7) Trichlorofluoromethane	1.886	101	109734	22.762	ug/l	100
8) Diethyl Ether	2.136	74	42224	21.740	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	58358	17.189	ug/l	96
10) Methyl Iodide	2.453	142	69606	16.838	ug/l	93
11) Tert butyl alcohol	2.953	59	83374	87.965	ug/l #	84
12) 1,1-Dichloroethene	2.319	96	59219	17.400	ug/l	96
13) Acrolein	2.233	56	35863	82.890	ug/l	98
14) Allyl chloride	2.666	41	118050	16.352	ug/l	89
15) Acrylonitrile	3.062	53	183773	88.879	ug/l	99
16) Acetone	2.380	43	174459	79.807	ug/l	91
17) Carbon Disulfide	2.514	76	157329	16.079	ug/l	99
18) Methyl Acetate	2.703	43	121221	17.921	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	212482	17.690	ug/l	99
20) Methylene Chloride	2.788	84	69361	17.610	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	64040	17.957	ug/l	99
22) Diisopropyl ether	3.757	45	234064	18.494	ug/l	96
23) Vinyl Acetate	3.721	43	905587	89.306	ug/l	99
24) 1,1-Dichloroethane	3.611	63	122359	17.610	ug/l	99
25) 2-Butanone	4.556	43	271060	85.698	ug/l	100
26) 2,2-Dichloropropane	4.477	77	104407	16.588	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	76610	18.141	ug/l	98
28) Bromochloromethane	4.898	49	52388	16.902	ug/l	89
29) Tetrahydrofuran	5.007	42	171994	89.137	ug/l	97
30) Chloroform	5.099	83	119129	17.855	ug/l	99
31) Cyclohexane	5.477	56	108124	17.090	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	103891	17.371	ug/l	99
36) 1,1-Dichloropropene	5.690	75	86080	17.509	ug/l	98
37) Ethyl Acetate	4.715	43	101925	18.550	ug/l	99
38) Carbon Tetrachloride	5.678	117	90043	17.798	ug/l	96
39) Methylcyclohexane	7.379	83	108842	17.203	ug/l	99
40) Benzene	6.038	78	270872	18.592	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	54367	17.759	ug/l	97
42) 1,2-Dichloroethane	6.086	62	92184	17.990	ug/l	100
43) Isopropyl Acetate	6.336	43	170768	17.612	ug/l	99
44) Trichloroethene	7.123	130	70132	18.757	ug/l	97
45) 1,2-Dichloropropane	7.434	63	71421	18.414	ug/l	100
46) Dibromomethane	7.586	93	46924	18.383	ug/l	89
47) Bromodichloromethane	7.824	83	93712	17.889	ug/l	96
48) Methyl methacrylate	7.690	41	80139	17.414	ug/l	98
49) 1,4-Dioxane	7.659	88	36621	398.949	ug/l #	99
51) 4-Methyl-2-Pentanone	8.574	43	519778	97.435	ug/l	99
52) Toluene	8.720	92	166916	18.907	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	104806	17.381	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	115063	17.825	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	68269	19.158	ug/l	98
56) Ethyl methacrylate	9.116	69	109904	18.232	ug/l	99
57) 1,3-Dichloropropane	9.305	76	117189	18.902	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	227828	87.246	ug/l	95
59) 2-Hexanone	9.427	43	389851	95.892	ug/l	99
60) Dibromochloromethane	9.519	129	73866	18.760	ug/l	98
61) 1,2-Dibromoethane	9.610	107	71478	18.966	ug/l	99
64) Tetrachloroethene	9.275	164	60252	18.949	ug/l	93
65) Chlorobenzene	10.079	112	179628	19.127	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	67730	18.630	ug/l	99
67) Ethyl Benzene	10.195	91	317259	18.804	ug/l	99
68) m/p-Xylenes	10.299	106	249127	38.585	ug/l	99
69) o-Xylene	10.640	106	123408	19.199	ug/l	98
70) Styrene	10.653	104	201084	19.235	ug/l	98
71) Bromoform	10.799	173	54332	18.309	ug/l #	100
73) Isopropylbenzene	10.964	105	318263	18.791	ug/l	100
74) N-amyl acetate	10.842	43	148588	17.463	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	105694	18.246	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	86269m	15.427	ug/l	
77) Bromobenzene	11.195	156	76789	18.840	ug/l	89
78) n-propylbenzene	11.305	91	360218	18.287	ug/l	98
79) 2-Chlorotoluene	11.366	91	218593	18.098	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	259899	18.252	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	35132	16.140	ug/l	90
82) 4-Chlorotoluene	11.451	91	246731	17.935	ug/l	97
83) tert-Butylbenzene	11.713	119	263408	18.062	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	260207	18.073	ug/l	98
85) sec-Butylbenzene	11.890	105	325780	18.395	ug/l	99
86) p-Isopropyltoluene	12.006	119	269264	18.371	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	141978	18.574	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	143555	18.620	ug/l	97
89) n-Butylbenzene	12.329	91	229922	17.613	ug/l	98
90) Hexachloroethane	12.536	117	51635	16.849	ug/l	83
91) 1,2-Dichlorobenzene	12.335	146	142514	19.056	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	20946	15.163	ug/l	85
93) 1,2,4-Trichlorobenzene	13.585	180	85848	17.879	ug/l	98
94) Hexachlorobutadiene	13.725	225	34149	17.156	ug/l	97
95) Naphthalene	13.774	128	294180	18.188	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	86038	18.049	ug/l	98

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

