

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012423\
 Data File : VX033865.D
 Acq On : 24 Jan 2023 12:26
 Operator : JC/MD
 Sample : VX0124WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0124WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/25/2023
 Supervised By : Mahesh Dadoda 01/26/2023

Quant Time: Jan 25 03:14:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	171067	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	238904	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	213739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83236	46.212	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 92.420%			
35) Dibromofluoromethane	5.385	113	76758	51.742	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.480%			
50) Toluene-d8	8.646	98	274799	50.841	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.680%			
62) 4-Bromofluorobenzene	11.079	95	101653	50.654	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.300%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	24203	17.904	ug/l	99
3) Chloromethane	1.294	50	27958	18.721	ug/l	97
4) Vinyl Chloride	1.373	62	28792	19.868	ug/l	99
5) Bromomethane	1.617	94	17777	21.350	ug/l	99
6) Chloroethane	1.690	64	14681	16.387	ug/l	99
7) Trichlorofluoromethane	1.892	101	42681	18.161	ug/l	97
8) Diethyl Ether	2.135	74	17786	23.114	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.330	101	26889	20.287	ug/l	93
10) Methyl Iodide	2.452	142	36311	19.110	ug/l	93
11) Tert butyl alcohol	2.995	59	23659m	75.612	ug/l	
12) 1,1-Dichloroethene	2.324	96	25887	18.598	ug/l	87
13) Acrolein	2.239	56	29661	102.740	ug/l	100
14) Allyl chloride	2.666	41	45074	17.169	ug/l	88
15) Acrylonitrile	3.062	53	75123	91.226	ug/l	99
16) Acetone	2.391	43	67413	95.322	ug/l	92
17) Carbon Disulfide	2.513	76	59977	18.228	ug/l	99
18) Methyl Acetate	2.702	43	46180	18.371	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	87611	18.122	ug/l	99
20) Methylene Chloride	2.788	84	29937	17.486	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	27839	17.108	ug/l	99
22) Diisopropyl ether	3.757	45	92688	17.547	ug/l	97
23) Vinyl Acetate	3.720	43	350455	88.134	ug/l	100
24) 1,1-Dichloroethane	3.611	63	50682	17.537	ug/l	98
25) 2-Butanone	4.556	43	100284	85.213	ug/l	96
26) 2,2-Dichloropropane	4.476	77	36015	17.398	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	33685	18.006	ug/l	98
28) Bromochloromethane	4.897	49	27066	20.561	ug/l	94
29) Tetrahydrofuran	5.013	42	63419	85.501	ug/l	96
30) Chloroform	5.092	83	54193	18.309	ug/l	99
31) Cyclohexane	5.476	56	44088	16.634	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	44168	17.477	ug/l	100
36) 1,1-Dichloropropene	5.690	75	37299	17.228	ug/l	98
37) Ethyl Acetate	4.708	43	40710	17.870	ug/l	100
38) Carbon Tetrachloride	5.677	117	40797	18.194	ug/l	98
39) Methylcyclohexane	7.378	83	46010	17.208	ug/l	98
40) Benzene	6.037	78	115552	18.311	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	22672	19.003	ug/l	98
42) 1,2-Dichloroethane	6.086	62	39843	17.816	ug/l	99
43) Isopropyl Acetate	6.336	43	61981	18.134	ug/l	99
44) Trichloroethene	7.128	130	33651	19.069	ug/l	98
45) 1,2-Dichloropropane	7.433	63	29537	18.684	ug/l	98
46) Dibromomethane	7.580	93	20851	18.883	ug/l	97
47) Bromodichloromethane	7.823	83	40434	19.001	ug/l	93
48) Methyl methacrylate	7.689	41	31340	18.202	ug/l	98
49) 1,4-Dioxane	7.708	88	11632	305.425	ug/l #	98
51) 4-Methyl-2-Pentanone	8.573	43	196971	93.835	ug/l	99
52) Toluene	8.720	92	75513	18.529	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	39891	18.745	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	45450	19.060	ug/l	98
55) 1,1,2-Trichloroethane	9.152	97	30704	19.034	ug/l	99
56) Ethyl methacrylate	9.116	69	43679	19.240	ug/l	97
57) 1,3-Dichloropropane	9.305	76	50859	19.444	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	101241	90.550	ug/l	98
59) 2-Hexanone	9.433	43	145809	99.799	ug/l	99
60) Dibromochloromethane	9.518	129	34494	20.625	ug/l	99
61) 1,2-Dibromoethane	9.610	107	32824	20.389	ug/l	99
64) Tetrachloroethene	9.274	164	30546	19.366	ug/l	96
65) Chlorobenzene	10.079	112	84532	19.104	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.164	131	32251	19.805	ug/l	99
67) Ethyl Benzene	10.195	91	142842	18.802	ug/l	100
68) m/p-Xylenes	10.299	106	113297	38.127	ug/l	100
69) o-Xylene	10.640	106	55817	18.941	ug/l	100
70) Styrene	10.652	104	93922	19.597	ug/l	99
71) Bromoform	10.798	173	27509	20.160	ug/l #	98
73) Isopropylbenzene	10.963	105	146075	18.213	ug/l	99
74) N-amyl acetate	10.841	43	50697	17.230	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	44327	18.437	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	35965m	17.469	ug/l	
77) Bromobenzene	11.195	156	40102	18.730	ug/l	98
78) n-propylbenzene	11.304	91	161700	17.685	ug/l	99
79) 2-Chlorotoluene	11.365	91	98174	17.966	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	120768	17.911	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	11736	17.716	ug/l	95
82) 4-Chlorotoluene	11.451	91	109413	17.414	ug/l	99
83) tert-Butylbenzene	11.713	119	125425	18.735	ug/l	99
84) 1,2,4-Trimethylbenzene	11.749	105	121761	19.091	ug/l	98
85) sec-Butylbenzene	11.890	105	149617	18.685	ug/l	100
86) p-Isopropyltoluene	12.006	119	129696	18.918	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	71331	18.840	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	72697	18.848	ug/l	99
89) n-Butylbenzene	12.329	91	103262	18.412	ug/l	100
90) Hexachloroethane	12.536	117	21618	19.170	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	69917	19.137	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.944	75	8535	18.666	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	48101	19.545	ug/l	99
94) Hexachlorobutadiene	13.725	225	22818	18.928	ug/l	98
95) Naphthalene	13.774	128	138382	19.545	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	48975	19.888	ug/l	99

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

