

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020524\
 Data File : VX040104.D
 Acq On : 05 Feb 2024 10:39
 Operator : JC/MD
 Sample : VX0205WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0205WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/06/2024
 Supervised By : Mahesh Dadoda 02/06/2024

Quant Time: Feb 06 02:55:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:44:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	97345	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	172245	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	158879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	79523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69767	44.533	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.060%		
35) Dibromofluoromethane	5.385	113	56119	47.861	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.720%		
50) Toluene-d8	8.647	98	203303	46.364	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.720%		
62) 4-Bromofluorobenzene	11.079	95	79605	47.147	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	22677	20.683	ug/l	97
3) Chloromethane	1.295	50	20265	19.489	ug/l	94
4) Vinyl Chloride	1.374	62	17053	17.733	ug/l	95
5) Bromomethane	1.605	94	11931	12.762	ug/l	98
6) Chloroethane	1.685	64	9697	15.274	ug/l	97
7) Trichlorofluoromethane	1.892	101	22282	14.563	ug/l	97
8) Diethyl Ether	2.130	74	9241	17.083	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	22303	19.536	ug/l	97
10) Methyl Iodide	2.453	142	21689	17.847	ug/l	96
11) Tert butyl alcohol	2.953	59	26857	94.478	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	20460	18.687	ug/l	93
13) Acrolein	2.233	56	23112	84.860	ug/l	99
14) Allyl chloride	2.666	41	37350	18.925	ug/l	96
15) Acrylonitrile	3.063	53	69559	97.684	ug/l	99
16) Acetone	2.374	43	68307	93.055	ug/l	95
17) Carbon Disulfide	2.514	76	54870	17.140	ug/l	99
18) Methyl Acetate	2.703	43	40619	23.358	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	73081	19.485	ug/l	99
20) Methylene Chloride	2.788	84	23821	18.261	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	22452	18.620	ug/l	93
22) Diisopropyl ether	3.757	45	75980	19.875	ug/l	99
23) Vinyl Acetate	3.721	43	330825	96.696	ug/l	99
24) 1,1-Dichloroethane	3.611	63	42208	19.278	ug/l	99
25) 2-Butanone	4.550	43	91938	90.100	ug/l	98
26) 2,2-Dichloropropane	4.477	77	29938	17.524	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	25162	18.702	ug/l	92
28) Bromochloromethane	4.891	49	18434	18.056	ug/l	98
29) Tetrahydrofuran	5.001	42	59420	91.584	ug/l	98
30) Chloroform	5.093	83	42495	18.075	ug/l	95
31) Cyclohexane	5.471	56	33045	16.839	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	35003	17.348	ug/l	99
36) 1,1-Dichloropropene	5.690	75	31087	18.332	ug/l	100
37) Ethyl Acetate	4.715	43	34177	18.454	ug/l	99
38) Carbon Tetrachloride	5.678	117	28055	17.291	ug/l	99
39) Methylcyclohexane	7.385	83	35308	17.113	ug/l	96
40) Benzene	6.038	78	89836	18.189	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	17777	18.928	ug/l	93
42) 1,2-Dichloroethane	6.080	62	34099	17.935	ug/l	97
43) Isopropyl Acetate	6.336	43	52662	18.032	ug/l	99
44) Trichloroethene	7.123	130	23402	18.005	ug/l	91
45) 1,2-Dichloropropane	7.428	63	23541	18.052	ug/l	97
46) Dibromomethane	7.580	93	17288	17.662	ug/l	98
47) Bromodichloromethane	7.818	83	31982	18.346	ug/l	93
48) Methyl methacrylate	7.690	41	26264	18.256	ug/l	90
49) 1,4-Dioxane	7.659	88	10833	346.513	ug/l #	90
51) 4-Methyl-2-Pentanone	8.568	43	190387	95.498	ug/l	98
52) Toluene	8.714	92	55712	18.097	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	31825	17.602	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	35514	18.408	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	23307	18.291	ug/l	92
56) Ethyl methacrylate	9.116	69	34858	18.733	ug/l	97
57) 1,3-Dichloropropane	9.305	76	38855	18.512	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	93407	99.825	ug/l	97
59) 2-Hexanone	9.427	43	147339	92.692	ug/l	100
60) Dibromochloromethane	9.519	129	23335	18.225	ug/l	97
61) 1,2-Dibromoethane	9.604	107	24837	18.029	ug/l	99
64) Tetrachloroethene	9.275	164	19613	18.972	ug/l	94
65) Chlorobenzene	10.080	112	60847	18.528	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	20864	18.813	ug/l	96
67) Ethyl Benzene	10.189	91	108512	18.416	ug/l	96
68) m/p-Xylenes	10.299	106	82145	37.058	ug/l	97
69) o-Xylene	10.640	106	39701	18.881	ug/l	97
70) Styrene	10.653	104	68164	19.234	ug/l	98
71) Bromoform	10.799	173	16254	19.041	ug/l #	100
73) Isopropylbenzene	10.957	105	106446	18.641	ug/l	99
74) N-amyl acetate	10.842	43	45706	17.539	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	39111	18.217	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	31007m	18.310	ug/l	
77) Bromobenzene	11.195	156	24681	18.737	ug/l	97
78) n-propylbenzene	11.305	91	130361	18.551	ug/l	99
79) 2-Chlorotoluene	11.366	91	75037	17.738	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	91786	18.698	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	8873	18.271	ug/l	98
82) 4-Chlorotoluene	11.451	91	90064	18.549	ug/l	99
83) tert-Butylbenzene	11.713	119	86929	18.506	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	92377	18.859	ug/l	99
85) sec-Butylbenzene	11.890	105	117019	18.804	ug/l	98
86) p-Isopropyltoluene	12.006	119	93692	18.437	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	49576	18.656	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	49817	18.314	ug/l	98
89) n-Butylbenzene	12.329	91	88735	17.990	ug/l	97
90) Hexachloroethane	12.536	117	14227	18.114	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	47464	18.525	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8866	18.218	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	29395	18.353	ug/l	98
94) Hexachlorobutadiene	13.725	225	10953	17.361	ug/l	99
95) Naphthalene	13.774	128	90311	16.602	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	28131	17.764	ug/l	97

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

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