

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041924\
 Data File : VX041169.D
 Acq On : 19 Apr 2024 11:41
 Operator : JC/MD
 Sample : VX0419WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0419WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/22/2024
 Supervised By : Mahesh Dadoda 04/22/2024

Quant Time: Apr 20 01:28:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041624W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 02:04:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	222578	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	311051	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	276126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	150537	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	116995	48.686	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.380%		
35) Dibromofluoromethane	5.385	113	100203	48.224	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.440%		
50) Toluene-d8	8.647	98	351223	48.257	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.520%		
62) 4-Bromofluorobenzene	11.079	95	129154	46.746	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.500%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	32236	18.259	ug/l	99
3) Chloromethane	1.294	50	34779	17.726	ug/l	94
4) Vinyl Chloride	1.374	62	35215	15.659	ug/l	98
5) Bromomethane	1.599	94	19418	13.773	ug/l	98
6) Chloroethane	1.666	64	13354	8.997	ug/l	99
7) Trichlorofluoromethane	1.861	101	58005	16.433	ug/l	100
8) Diethyl Ether	2.136	74	21364	15.423	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.312	101	36079	17.583	ug/l #	86
10) Methyl Iodide	2.447	142	41669	19.331	ug/l	90
11) Tert butyl alcohol	3.032	59	39510m	84.043	ug/l	
12) 1,1-Dichloroethene	2.306	96	33268	16.935	ug/l	88
13) Acrolein	2.239	56	49062	82.982	ug/l	100
14) Allyl chloride	2.654	41	54228	17.069	ug/l #	94
15) Acrylonitrile	3.075	53	101309	87.036	ug/l	99
16) Acetone	2.392	43	85170	84.322	ug/l	96
17) Carbon Disulfide	2.501	76	55990	12.521	ug/l	98
18) Methyl Acetate	2.709	43	49793	19.746	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	116536	19.193	ug/l	97
20) Methylene Chloride	2.788	84	38029	17.645	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	33481	16.615	ug/l	84
22) Diisopropyl ether	3.770	45	114555	18.828	ug/l #	85
23) Vinyl Acetate	3.721	43	498473	90.399	ug/l	96
24) 1,1-Dichloroethane	3.605	63	64536	18.116	ug/l	97
25) 2-Butanone	4.574	43	138282	87.135	ug/l	98
26) 2,2-Dichloropropane	4.471	77	51970	18.379	ug/l	94
27) cis-1,2-Dichloroethene	4.483	96	42652	17.520	ug/l	88
28) Bromochloromethane	4.897	49	25336	16.409	ug/l #	75
29) Tetrahydrofuran	5.013	42	90083	85.742	ug/l	94
30) Chloroform	5.092	83	69287	17.899	ug/l	95
31) Cyclohexane	5.464	56	52488	17.632	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	59730	17.582	ug/l	97
36) 1,1-Dichloropropene	5.690	75	43529	16.547	ug/l	95
37) Ethyl Acetate	4.721	43	53142	16.916	ug/l	97
38) Carbon Tetrachloride	5.672	117	49719	16.300	ug/l	95
39) Methylcyclohexane	7.379	83	56453	17.102	ug/l	96
40) Benzene	6.037	78	144507	17.995	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	28770	17.474	ug/l	91
42) 1,2-Dichloroethane	6.086	62	51603	17.933	ug/l	95
43) Isopropyl Acetate	6.348	43	82465	17.677	ug/l	97
44) Trichloroethene	7.123	130	40666	17.050	ug/l	80
45) 1,2-Dichloropropane	7.427	63	34598	18.145	ug/l	98
46) Dibromomethane	7.580	93	26090	17.402	ug/l #	76
47) Bromodichloromethane	7.824	83	48144	16.498	ug/l	98
48) Methyl methacrylate	7.696	41	40338	17.715	ug/l	92
49) 1,4-Dioxane	7.677	88	15324	287.989	ug/l #	91
51) 4-Methyl-2-Pentanone	8.580	43	282148	89.029	ug/l	98
52) Toluene	8.720	92	94730	18.071	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	46420	16.585	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	51368	16.705	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	38484	18.284	ug/l	96
56) Ethyl methacrylate	9.116	69	56286	16.620	ug/l	94
57) 1,3-Dichloropropane	9.311	76	61819	18.025	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	141378	95.511	ug/l	94
59) 2-Hexanone	9.433	43	218610	89.171	ug/l	96
60) Dibromochloromethane	9.525	129	41297	16.221	ug/l	99
61) 1,2-Dibromoethane	9.610	107	39109	17.011	ug/l	98
64) Tetrachloroethene	9.269	164	40300	18.365	ug/l	91
65) Chlorobenzene	10.079	112	108598	17.816	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	38254	18.346	ug/l	99
67) Ethyl Benzene	10.195	91	174379	18.333	ug/l	98
68) m/p-Xylenes	10.299	106	140552	37.151	ug/l	91
69) o-Xylene	10.640	106	69532	18.881	ug/l	93
70) Styrene	10.652	104	113915	18.217	ug/l	96
71) Bromoform	10.799	173	32057	16.323	ug/l #	100
73) Isopropylbenzene	10.963	105	180918	20.374	ug/l	97
74) N-amyl acetate	10.841	43	70046	19.885	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	61259	21.024	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	46555m	18.977	ug/l	
77) Bromobenzene	11.195	156	51702	19.833	ug/l	77
78) n-propylbenzene	11.305	91	194107	19.493	ug/l	96
79) 2-Chlorotoluene	11.366	91	123659	20.371	ug/l	91
80) 1,3,5-Trimethylbenzene	11.451	105	150616	20.362	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	14561	17.094	ug/l	97
82) 4-Chlorotoluene	11.457	91	136380	19.295	ug/l	92
83) tert-Butylbenzene	11.713	119	162387	20.584	ug/l	91
84) 1,2,4-Trimethylbenzene	11.750	105	151653	20.543	ug/l	92
85) sec-Butylbenzene	11.890	105	184818	19.525	ug/l	94
86) p-Isopropyltoluene	12.006	119	164613	19.595	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	92485	18.806	ug/l	94
88) 1,4-Dichlorobenzene	12.042	146	93773	18.080	ug/l	96
89) n-Butylbenzene	12.329	91	122692	17.215	ug/l	97
90) Hexachloroethane	12.536	117	25038	17.601	ug/l #	55
91) 1,2-Dichlorobenzene	12.335	146	96025	19.676	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	11897	18.824	ug/l #	57
93) 1,2,4-Trichlorobenzene	13.585	180	63989	17.446	ug/l	95
94) Hexachlorobutadiene	13.725	225	33262	19.023	ug/l	99
95) Naphthalene	13.774	128	191159	19.296	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	67505	18.535	ug/l	95

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

