

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040224\
 Data File : VX040855.D
 Acq On : 02 Apr 2024 11:09
 Operator : JC/MD
 Sample : VX0402WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/03/2024
 Supervised By : Mahesh Dadoda 04/03/2024

Quant Time: Apr 03 00:59:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040124W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 02 05:40:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	47644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	78238	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	73903	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	38276	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	39757	46.507	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.020%		
35) Dibromofluoromethane	5.379	113	27062	48.834	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.660%		
50) Toluene-d8	8.647	98	94574	47.229	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.460%		
62) 4-Bromofluorobenzene	11.079	95	37472	46.860	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.720%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	12200	18.892	ug/l	99
3) Chloromethane	1.300	50	11387	20.411	ug/l	98
4) Vinyl Chloride	1.374	62	11944	20.740	ug/l	92
5) Bromomethane	1.611	94	7576	21.384	ug/l	99
6) Chloroethane	1.691	64	7053	18.999	ug/l	96
7) Trichlorofluoromethane	1.892	101	20231	18.352	ug/l	99
8) Diethyl Ether	2.136	74	5935	16.660	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	10456	18.398	ug/l	96
10) Methyl Iodide	2.453	142	12467	18.084	ug/l	98
11) Tert butyl alcohol	2.953	59	14309	91.681	ug/l #	91
12) 1,1-Dichloroethene	2.325	96	9768	18.326	ug/l	91
13) Acrolein	2.239	56	7785	91.378	ug/l	98
14) Allyl chloride	2.666	41	17488	18.315	ug/l	92
15) Acrylonitrile	3.062	53	31450	95.523	ug/l	98
16) Acetone	2.380	43	32006	96.422	ug/l	97
17) Carbon Disulfide	2.514	76	26031	16.882	ug/l	99
18) Methyl Acetate	2.703	43	13823	17.553	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	34703	18.497	ug/l	96
20) Methylene Chloride	2.788	84	10506	17.079	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	10052	17.855	ug/l	96
22) Diisopropyl ether	3.763	45	34310	18.464	ug/l	91
23) Vinyl Acetate	3.721	43	167458	94.025	ug/l	99
24) 1,1-Dichloroethane	3.611	63	18834	17.741	ug/l	98
25) 2-Butanone	4.556	43	46215	93.725	ug/l	97
26) 2,2-Dichloropropane	4.483	77	16115	17.681	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	11614	17.865	ug/l	97
28) Bromochloromethane	4.891	49	8558	17.928	ug/l	98
29) Tetrahydrofuran	5.001	42	30694	95.771	ug/l	98
30) Chloroform	5.092	83	20816	18.014	ug/l	99
31) Cyclohexane	5.477	56	16532	18.224	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	18732	18.243	ug/l	98
36) 1,1-Dichloropropene	5.696	75	14383	18.266	ug/l	97
37) Ethyl Acetate	4.714	43	19277	19.937	ug/l	98
38) Carbon Tetrachloride	5.678	117	16119	18.492	ug/l	99
39) Methylcyclohexane	7.379	83	17116	18.193	ug/l	96
40) Benzene	6.031	78	40329	18.454	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	9749	19.633	ug/l	97
42) 1,2-Dichloroethane	6.086	62	18193	19.167	ug/l	96
43) Isopropyl Acetate	6.336	43	29017	19.433	ug/l	97
44) Trichloroethene	7.123	130	10396	19.047	ug/l	98
45) 1,2-Dichloropropane	7.433	63	10196	19.544	ug/l	90
46) Dibromomethane	7.580	93	8435	19.726	ug/l	98
47) Bromodichloromethane	7.818	83	16835	18.922	ug/l	97
48) Methyl methacrylate	7.690	41	14391	19.681	ug/l	96
49) 1,4-Dioxane	7.659	88	5536	396.750	ug/l #	97
51) 4-Methyl-2-Pentanone	8.567	43	95631	96.553	ug/l	96
52) Toluene	8.720	92	26020	18.869	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	16200	18.379	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	16567	18.780	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	10508	19.526	ug/l	88
56) Ethyl methacrylate	9.116	69	17171	18.582	ug/l #	91
57) 1,3-Dichloropropane	9.305	76	17608	18.708	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	38510	85.964	ug/l	96
59) 2-Hexanone	9.427	43	77222	97.215	ug/l	94
60) Dibromochloromethane	9.518	129	11839	18.428	ug/l	97
61) 1,2-Dibromoethane	9.610	107	11222	19.328	ug/l	100
64) Tetrachloroethene	9.269	164	8899	18.196	ug/l	95
65) Chlorobenzene	10.079	112	29031	17.962	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.159	131	10008	18.655	ug/l	98
67) Ethyl Benzene	10.195	91	52513	18.219	ug/l	94
68) m/p-Xylenes	10.299	106	38267	36.489	ug/l	93
69) o-Xylene	10.640	106	18309	18.531	ug/l	91
70) Styrene	10.652	104	31368	18.322	ug/l	95
71) Bromoform	10.799	173	8391	18.504	ug/l #	100
73) Isopropylbenzene	10.963	105	50260	18.801	ug/l	99
74) N-amyl acetate	10.841	43	25399	18.758	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	17147	18.759	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	15118m	18.522	ug/l	
77) Bromobenzene	11.195	156	11938	19.037	ug/l	99
78) n-propylbenzene	11.305	91	61894	18.526	ug/l	97
79) 2-Chlorotoluene	11.360	91	36738	18.426	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	44003	19.272	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.018	75	5327	17.609	ug/l	95
82) 4-Chlorotoluene	11.451	91	44174	18.557	ug/l	98
83) tert-Butylbenzene	11.713	119	42552	18.786	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	43622	18.965	ug/l	98
85) sec-Butylbenzene	11.890	105	53457	18.583	ug/l	98
86) p-Isopropyltoluene	12.006	119	44486	18.437	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	23186	18.291	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	23690	17.613	ug/l	97
89) n-Butylbenzene	12.329	91	44288	18.579	ug/l	96
90) Hexachloroethane	12.536	117	7771	18.488	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	22636	18.222	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	4716	20.078	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	15371	17.848	ug/l	98
94) Hexachlorobutadiene	13.725	225	5900	17.884	ug/l	98
95) Naphthalene	13.774	128	51022	18.400	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	15240	18.549	ug/l	99

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

