

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020924\
 Data File : VX040183.D
 Acq On : 09 Feb 2024 18:51
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX020924

Quant Time: Feb 12 00:23:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/12/2024
 Supervised By : Mahesh Dadoda 02/12/2024

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	83673	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	145689	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	139389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	75411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	64206	51.579	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.160%			
35) Dibromofluoromethane	5.391	113	50858	49.988	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.980%			
50) Toluene-d8	8.647	98	191085	50.208	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.420%			
62) 4-Bromofluorobenzene	11.079	95	79069	50.941	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.880%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	50716	53.659	ug/l	99
3) Chloromethane	1.294	50	47897	49.143	ug/l	99
4) Vinyl Chloride	1.374	62	52539	51.010	ug/l	99
5) Bromomethane	1.599	94	32556	56.013	ug/l	99
6) Chloroethane	1.678	64	32608	50.198	ug/l	94
7) Trichlorofluoromethane	1.886	101	83054	50.212	ug/l	98
8) Diethyl Ether	2.136	74	30788	49.550	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	43903	49.482	ug/l	98
10) Methyl Iodide	2.447	142	52831	53.634	ug/l	91
11) Tert butyl alcohol	2.965	59	59956	247.272	ug/l #	91
12) 1,1-Dichloroethene	2.319	96	43276	50.658	ug/l	86
13) Acrolein	2.233	56	55438	247.711	ug/l	97
14) Allyl chloride	2.666	41	74412	50.194	ug/l	96
15) Acrylonitrile	3.062	53	139007	256.224	ug/l	100
16) Acetone	2.380	43	119085	232.928	ug/l	95
17) Carbon Disulfide	2.508	76	111296	49.348	ug/l	99
18) Methyl Acetate	2.703	43	69587	50.774	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	156588	52.030	ug/l	99
20) Methylene Chloride	2.788	84	49633	51.844	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	47073	48.383	ug/l	91
22) Diisopropyl ether	3.763	45	154303	51.322	ug/l	90
23) Vinyl Acetate	3.721	43	707549	263.986	ug/l	98
24) 1,1-Dichloroethane	3.611	63	88208	50.366	ug/l	99
25) 2-Butanone	4.556	43	198081	247.862	ug/l	97
26) 2,2-Dichloropropane	4.477	77	68642	50.914	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	56673	51.061	ug/l	93
28) Bromochloromethane	4.904	49	38252	51.444	ug/l	94
29) Tetrahydrofuran	5.001	42	131176	251.949	ug/l	95
30) Chloroform	5.099	83	95991	50.694	ug/l	99
31) Cyclohexane	5.464	56	73702	49.639	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	82406	51.731	ug/l	100
36) 1,1-Dichloropropene	5.696	75	69369	48.672	ug/l	99
37) Ethyl Acetate	4.715	43	76455	48.211	ug/l	99
38) Carbon Tetrachloride	5.678	117	68035	50.206	ug/l	98
39) Methylcyclohexane	7.379	83	79818	48.191	ug/l	94
40) Benzene	6.037	78	195612	49.080	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	43456	51.691	ug/l	95
42) 1,2-Dichloroethane	6.086	62	76940	49.389	ug/l	100
43) Isopropyl Acetate	6.342	43	124410	50.255	ug/l	99
44) Trichloroethene	7.123	130	52403	47.666	ug/l	98
45) 1,2-Dichloropropane	7.427	63	52590	50.695	ug/l	98
46) Dibromomethane	7.580	93	38222	50.028	ug/l	96
47) Bromodichloromethane	7.824	83	74342	50.500	ug/l	97
48) Methyl methacrylate	7.696	41	64013	50.535	ug/l	92
49) 1,4-Dioxane	7.659	88	27173	986.071	ug/l #	92
51) 4-Methyl-2-Pentanone	8.574	43	422097	249.734	ug/l	99
52) Toluene	8.720	92	129696	49.680	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	80970	46.318	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	85067	51.561	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	54613	49.048	ug/l	96
56) Ethyl methacrylate	9.116	69	86798	52.072	ug/l	95
57) 1,3-Dichloropropane	9.311	76	90890	50.011	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	210267	266.654	ug/l	98
59) 2-Hexanone	9.427	43	337193	251.625	ug/l	98
60) Dibromochloromethane	9.525	129	58488	51.558	ug/l	99
61) 1,2-Dibromoethane	9.610	107	59444	50.226	ug/l	98
64) Tetrachloroethene	9.275	164	46020	47.113	ug/l	97
65) Chlorobenzene	10.079	112	143080	49.184	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	51764	51.377	ug/l	99
67) Ethyl Benzene	10.195	91	262893	50.741	ug/l	99
68) m/p-Xylenes	10.299	106	197905	101.139	ug/l	97
69) o-Xylene	10.640	106	97016	51.020	ug/l	97
70) Styrene	10.659	104	165715	52.418	ug/l	99
71) Bromoform	10.799	173	43940	46.559	ug/l #	100
73) Isopropylbenzene	10.963	105	266384	50.153	ug/l	100
74) N-amyl acetate	10.841	43	120851	53.082	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	94744	49.650	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	76909m	50.363	ug/l	
77) Bromobenzene	11.201	156	64037	51.046	ug/l	95
78) n-propylbenzene	11.305	91	322709	50.184	ug/l	99
79) 2-Chlorotoluene	11.366	91	188563	48.561	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	227169	50.803	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	24795	45.907	ug/l	96
82) 4-Chlorotoluene	11.451	91	222025	48.258	ug/l	99
83) tert-Butylbenzene	11.713	119	218772	49.903	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	230390	50.927	ug/l	99
85) sec-Butylbenzene	11.890	105	284041	50.415	ug/l	99
86) p-Isopropyltoluene	12.006	119	233061	50.464	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	122828	49.415	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	127150	48.308	ug/l	99
89) n-Butylbenzene	12.335	91	219915	49.329	ug/l	97
90) Hexachloroethane	12.536	117	39187	53.793	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	121059	50.310	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	23234	52.753	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	81695	49.592	ug/l	96
94) Hexachlorobutadiene	13.725	225	30740	46.755	ug/l	97
95) Naphthalene	13.774	128	261744	50.307	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	79088	50.366	ug/l	97

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

