

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040124\
 Data File : VX040843.D
 Acq On : 01 Apr 2024 13:37
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/02/2024
 Supervised By : Mahesh Dadoda 04/02/2024

Quant Time: Apr 02 05:24:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040124W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 02 05:19:09 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	49816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	85047	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	79524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	40716	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	4973	5.564	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	11.120%#		
35) Dibromofluoromethane	5.385	113	3018	5.010	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.020%#		
50) Toluene-d8	8.647	98	10885	5.001	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.000%#		
62) 4-Bromofluorobenzene	11.079	95	4197	4.828	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.660%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	3263	4.832	ug/l	100
3) Chloromethane	1.300	50	2884	4.944	ug/l	94
4) Vinyl Chloride	1.374	62	2972	4.936	ug/l	95
5) Bromomethane	1.599	94	2070	5.588	ug/l	89
6) Chloroethane	1.685	64	1969	5.073	ug/l	94
7) Trichlorofluoromethane	1.886	101	5956	5.167	ug/l	92
8) Diethyl Ether	2.130	74	2044	5.488	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	3072	5.170	ug/l	97
10) Methyl Iodide	2.453	142	3581	4.968	ug/l	93
11) Tert butyl alcohol	2.959	59	3947	24.187	ug/l #	95
12) 1,1-Dichloroethene	2.319	96	2991	5.367	ug/l	97
13) Acrolein	2.239	56	2080	23.350	ug/l	94
14) Allyl chloride	2.666	41	5069	5.077	ug/l	89
15) Acrylonitrile	3.062	53	8514	24.732	ug/l	96
16) Acetone	2.380	43	8681	25.012	ug/l	97
17) Carbon Disulfide	2.514	76	7626	4.730	ug/l	99
18) Methyl Acetate	2.703	43	4280	5.198	ug/l	96
19) Methyl tert-butyl Ether	3.123	73	9571	4.879	ug/l #	91
20) Methylene Chloride	2.788	84	3054	4.748	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	2813	4.779	ug/l	98
22) Diisopropyl ether	3.763	45	9627	4.955	ug/l	90
23) Vinyl Acetate	3.721	43	43944	23.598	ug/l	99
24) 1,1-Dichloroethane	3.617	63	5550	5.000	ug/l #	91
25) 2-Butanone	4.562	43	12507	24.259	ug/l	94
26) 2,2-Dichloropropane	4.477	77	4616	4.844	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	3269	4.809	ug/l	99
28) Bromochloromethane	4.897	49	2756	5.522	ug/l #	98
29) Tetrahydrofuran	5.013	42	8223	24.539	ug/l	98
30) Chloroform	5.092	83	5924	4.903	ug/l	89
31) Cyclohexane	5.464	56	4696	4.951	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	5390	5.020	ug/l #	75
36) 1,1-Dichloropropene	5.702	75	4224	4.935	ug/l	98
37) Ethyl Acetate	4.721	43	5036	4.791	ug/l #	86
38) Carbon Tetrachloride	5.678	117	4505	4.754	ug/l	99
39) Methylcyclohexane	7.379	83	4807	4.700	ug/l	89
40) Benzene	6.044	78	11892	5.006	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	2724m	5.047	ug/l	
42) 1,2-Dichloroethane	6.086	62	4929	4.777	ug/l	96
43) Isopropyl Acetate	6.342	43	7933	4.887	ug/l	95
44) Trichloroethene	7.129	130	2997	5.051	ug/l	87
45) 1,2-Dichloropropane	7.434	63	2862	5.047	ug/l	99
46) Dibromomethane	7.586	93	2215	4.765	ug/l	96
47) Bromodichloromethane	7.824	83	4610	4.767	ug/l	95
48) Methyl methacrylate	7.696	41	3893	4.898	ug/l	94
49) 1,4-Dioxane	7.665	88	1552	102.323	ug/l #	83
51) 4-Methyl-2-Pentanone	8.574	43	25764	23.930	ug/l	97
52) Toluene	8.720	92	7453	4.972	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	4036	4.814	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	4512	4.705	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	2840	4.855	ug/l #	70
56) Ethyl methacrylate	9.116	69	4699	4.678	ug/l #	90
57) 1,3-Dichloropropane	9.311	76	5024	4.911	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	11801	24.234	ug/l	96
59) 2-Hexanone	9.427	43	19590	22.687	ug/l	94
60) Dibromochloromethane	9.518	129	3279	4.695	ug/l	96
61) 1,2-Dibromoethane	9.610	107	3153	4.996	ug/l	95
64) Tetrachloroethene	9.275	164	2508	4.766	ug/l	89
65) Chlorobenzene	10.079	112	8303	4.774	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	2662	4.611	ug/l	95
67) Ethyl Benzene	10.195	91	14653	4.724	ug/l	95
68) m/p-Xylenes	10.299	106	10639	9.428	ug/l	90
69) o-Xylene	10.640	106	4992	4.695	ug/l	90
70) Styrene	10.652	104	8399	4.559	ug/l	91
71) Bromoform	10.799	173	2081	4.684	ug/l #	92
73) Isopropylbenzene	10.957	105	14195	4.992	ug/l	98
74) N-amyl acetate	10.841	43	6474	4.495	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	4835	4.972	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	4411m	5.080	ug/l	
77) Bromobenzene	11.195	156	3145	4.715	ug/l	92
78) n-propylbenzene	11.305	91	16663	4.689	ug/l	97
79) 2-Chlorotoluene	11.360	91	10519	4.960	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	11841	4.875	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	1252	3.891	ug/l #	84
82) 4-Chlorotoluene	11.457	91	12412	4.902	ug/l	97
83) tert-Butylbenzene	11.713	119	11700	4.856	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	11760	4.806	ug/l	100
85) sec-Butylbenzene	11.890	105	14746	4.819	ug/l	100
86) p-Isopropyltoluene	12.006	119	12276	4.783	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	6411	4.755	ug/l	94
88) 1,4-Dichlorobenzene	12.036	146	7048	4.926	ug/l	93
89) n-Butylbenzene	12.335	91	11803	4.655	ug/l	98
90) Hexachloroethane	12.536	117	1980	4.428	ug/l	85
91) 1,2-Dichlorobenzene	12.335	146	6471	4.897	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1148	4.595	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	4316	4.711	ug/l	94
94) Hexachlorobutadiene	13.725	225	1658	4.724	ug/l	96
95) Naphthalene	13.774	128	13832	4.689	ug/l	98
96) 1,2,3-Trichlorobenzene	13.957	180	4022	4.602	ug/l	94

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

