

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
 Data File : VX040736.D
 Acq On : 21 Mar 2024 09:43
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By :John Carlone 03/25/2024
 Supervised By :Mahesh Dadoda 03/25/2024

Quant Time: Mar 22 02:00:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 01:58:09 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	52825	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	87297	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	75467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	36494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	78 - 117	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	92 - 112	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	699	1.023	ug/l	85
3) Chloromethane	1.294	50	808	1.156	ug/l	94
4) Vinyl Chloride	1.373	62	659	0.995	ug/l #	73
6) Chloroethane	1.690	64	445	0.956	ug/l #	76
7) Trichlorofluoromethane	1.892	101	1206	1.041	ug/l	97
8) Diethyl Ether	2.129	74	398	1.069	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.337	101	643	0.965	ug/l	95
12) 1,1-Dichloroethene	2.324	96	672	1.077	ug/l #	58
14) Allyl chloride	2.660	41	1150	1.028	ug/l	87
15) Acrylonitrile	3.062	53	1661	4.730	ug/l	96
16) Acetone	2.373	43	1769	5.623	ug/l #	89
17) Carbon Disulfide	2.513	76	2054	1.146	ug/l	99
18) Methyl Acetate	2.702	43	973	1.154	ug/l #	76
19) Methyl tert-butyl Ether	3.105	73	1987	0.923	ug/l	92
20) Methylene Chloride	2.782	84	681	0.990	ug/l #	86
21) trans-1,2-Dichloroethene	3.086	96	685	1.040	ug/l #	94
22) Diisopropyl ether	3.757	45	2019	0.925	ug/l	90
23) Vinyl Acetate	3.720	43	9102	4.413	ug/l	98
24) 1,1-Dichloroethane	3.605	63	1205	0.961	ug/l #	83
25) 2-Butanone	4.556	43	2216	4.497	ug/l	97
26) 2,2-Dichloropropane	4.470	77	1073	0.981	ug/l #	60
27) cis-1,2-Dichloroethene	4.489	96	748	0.980	ug/l	95
28) Bromochloromethane	4.897	49	565m	0.986	ug/l	
29) Tetrahydrofuran	5.007	42	1686	5.144	ug/l #	93
30) Chloroform	5.098	83	1267m	0.944	ug/l	
32) 1,1,1-Trichloroethane	5.385	97	998	0.865	ug/l #	51
36) 1,1-Dichloropropene	5.690	75	956	0.994	ug/l #	79
37) Ethyl Acetate	4.714	43	1049	0.961	ug/l #	69
38) Carbon Tetrachloride	5.677	117	1051	0.971	ug/l #	93
39) Methylcyclohexane	7.366	83	963	0.904	ug/l #	81
40) Benzene	6.043	78	2592	0.976	ug/l	95
41) Methacrylonitrile	4.921	41	427m	0.763	ug/l	
42) 1,2-Dichloroethane	6.104	62	900	0.837	ug/l #	77
43) Isopropyl Acetate	6.330	43	1504	0.877	ug/l #	70
44) Trichloroethene	7.128	130	601	0.944	ug/l	98
45) 1,2-Dichloropropane	7.433	63	545	0.875	ug/l #	84

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.586	93	397	0.804	ug/l	93
47) Bromodichloromethane	7.817	83	871	0.864	ug/l #	79
48) Methyl methacrylate	7.701	41	619	0.790	ug/l #	83
49) 1,4-Dioxane	7.671	88	234	17.689	ug/l #	12
51) 4-Methyl-2-Pentanone	8.573	43	4524	4.254	ug/l	97
52) Toluene	8.720	92	1490	0.941	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	908	0.870	ug/l #	72
54) cis-1,3-Dichloropropene	8.366	75	905	0.839	ug/l #	81
55) 1,1,2-Trichloroethane	9.152	97	616	0.955	ug/l #	85
56) Ethyl methacrylate	9.116	69	861	0.799	ug/l #	93
57) 1,3-Dichloropropane	9.311	76	944	0.858	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	2101	3.713	ug/l	92
59) 2-Hexanone	9.433	43	3298	4.003	ug/l	91
60) Dibromochloromethane	9.518	129	646	0.852	ug/l	97
61) 1,2-Dibromoethane	9.610	107	599	0.879	ug/l	94
64) Tetrachloroethene	9.274	164	639	1.137	ug/l #	80
65) Chlorobenzene	10.073	112	1723	1.007	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.158	131	563	0.967	ug/l #	63
67) Ethyl Benzene	10.195	91	2881	0.940	ug/l #	89
68) m/p-Xylenes	10.299	106	2058	1.834	ug/l	97
69) o-Xylene	10.640	106	938	0.870	ug/l	99
70) Styrene	10.652	104	1422	0.788	ug/l	96
71) Bromoform	10.798	173	379	0.797	ug/l #	77
73) Isopropylbenzene	10.963	105	2608	0.942	ug/l	100
74) N-amyl acetate	10.841	43	1092	0.801	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.207	83	916	0.977	ug/l #	91
76) 1,2,3-Trichloropropane	11.237	75	692m	0.879	ug/l	
77) Bromobenzene	11.195	156	646	0.964	ug/l	89
78) n-propylbenzene	11.304	91	3265	0.956	ug/l	93
79) 2-Chlorotoluene	11.365	91	1804	0.916	ug/l	91
80) 1,3,5-Trimethylbenzene	11.451	105	2127	0.916	ug/l	98
82) 4-Chlorotoluene	11.457	91	2664	1.078	ug/l	94
83) tert-Butylbenzene	11.713	119	2437	1.047	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	2309	0.988	ug/l	92
85) sec-Butylbenzene	11.890	105	2964	1.001	ug/l	92
86) p-Isopropyltoluene	12.006	119	2374	0.967	ug/l	87
87) 1,3-Dichlorobenzene	11.963	146	1232	0.963	ug/l	92
88) 1,4-Dichlorobenzene	12.042	146	1544m	1.136	ug/l	
89) n-Butylbenzene	12.329	91	2510	1.014	ug/l	89
90) Hexachloroethane	12.536	117	395	0.924	ug/l	84
91) 1,2-Dichlorobenzene	12.335	146	1333	1.060	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	257	1.098	ug/l	78
93) 1,2,4-Trichlorobenzene	13.591	180	881	0.986	ug/l	96
94) Hexachlorobutadiene	13.725	225	358	1.016	ug/l	87
95) Naphthalene	13.774	128	2762	0.977	ug/l	97
96) 1,2,3-Trichlorobenzene	13.956	180	966	1.100	ug/l	93

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

