

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102622\
 Data File : VX032399.D
 Acq On : 26 Oct 2022 13:02
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/27/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 07:00:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 06:59:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	133307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	209645	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	181067	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86909	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	1.166	85	1384	0.900	ug/l	87
3) Chloromethane	1.294	50	1303	1.002	ug/l	100
4) Vinyl Chloride	1.374	62	1309	0.915	ug/l #	73
6) Chloroethane	1.691	64	1055	1.099	ug/l #	87
7) Trichlorofluoromethane	1.886	101	2799	1.032	ug/l	94
8) Diethyl Ether	2.136	74	917	1.044	ug/l	72
9) 1,1,2-Trichlorotrifluo...	2.331	101	1596	1.115	ug/l	99
12) 1,1-Dichloroethene	2.319	96	1407	1.052	ug/l	95
14) Allyl chloride	2.666	41	2248	1.055	ug/l	96
15) Acrylonitrile	3.068	53	4034	5.513	ug/l	99
16) Acetone	2.380	43	4300	6.387	ug/l	98
17) Carbon Disulfide	2.514	76	3432	1.078	ug/l	100
18) Methyl Acetate	2.703	43	2334	1.066	ug/l	92
19) Methyl tert-butyl Ether	3.117	73	5039	1.072	ug/l	100
20) Methylene Chloride	2.788	84	1890	1.224	ug/l #	87
21) trans-1,2-Dichloroethene	3.093	96	1636	1.124	ug/l	94
22) Diisopropyl ether	3.757	45	4831	1.048	ug/l #	59
23) Vinyl Acetate	3.727	43	18327	4.921	ug/l	100
24) 1,1-Dichloroethane	3.611	63	2794	1.054	ug/l	94
25) 2-Butanone	4.574	43	6047	5.798	ug/l #	86
26) 2,2-Dichloropropane	4.483	77	2017	0.957	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	1698	1.009	ug/l	91
28) Bromochloromethane	4.897	49	1069	1.132	ug/l #	96
29) Tetrahydrofuran	5.019	42	3664	5.509	ug/l	95
30) Chloroform	5.099	83	3031	1.042	ug/l	89
32) 1,1,1-Trichloroethane	5.385	97	2658	1.018	ug/l #	51
36) 1,1-Dichloropropene	5.696	75	2191	1.052	ug/l	98
37) Ethyl Acetate	4.727	43	2608	1.203	ug/l #	78
38) Carbon Tetrachloride	5.678	117	2364	1.024	ug/l #	86
39) Methylcyclohexane	7.379	83	2416	0.981	ug/l #	86
40) Benzene	6.043	78	6191	1.051	ug/l	98
41) Methacrylonitrile	4.928	41	1088	0.985	ug/l #	90
42) 1,2-Dichloroethane	6.086	62	2512	1.043	ug/l	88
43) Isopropyl Acetate	6.342	43	3286	0.987	ug/l #	96
44) Trichloroethene	7.135	130	1858	1.120	ug/l	68
45) 1,2-Dichloropropane	7.440	63	1545	1.021	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.592	93	1248	1.076	ug/l	94
47) Bromodichloromethane	7.824	83	2180	0.991	ug/l #	90
48) Methyl methacrylate	7.696	41	1804	1.050	ug/l	89
49) 1,4-Dioxane	7.683	88	668	20.392	ug/l #	84
51) 4-Methyl-2-Pentanone	8.574	43	10866	5.183	ug/l	99
52) Toluene	8.720	92	3835	0.997	ug/l	97
53) t-1,3-Dichloropropene	8.988	75	2032	0.906	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	2247	0.936	ug/l	96
55) 1,1,2-Trichloroethane	9.159	97	1722	1.063	ug/l #	89
56) Ethyl methacrylate	9.122	69	2056	0.882	ug/l	94
57) 1,3-Dichloropropane	9.311	76	2732	1.045	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.244	63	5125	4.568	ug/l	98
59) 2-Hexanone	9.433	43	7911	5.086	ug/l	99
60) Dibromochloromethane	9.518	129	1838	1.039	ug/l	82
61) 1,2-Dibromoethane	9.610	107	1698	0.990	ug/l	99
64) Tetrachloroethene	9.275	164	1419	1.071	ug/l	87
65) Chlorobenzene	10.079	112	4236	1.044	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	1569	1.028	ug/l #	67
67) Ethyl Benzene	10.195	91	7695	1.061	ug/l	98
68) m/p-Xylenes	10.305	106	5774	2.050	ug/l	96
69) o-Xylene	10.646	106	2764	1.009	ug/l	99
70) Styrene	10.659	104	4241	0.932	ug/l	95
71) Bromoform	10.799	173	1173	0.972	ug/l #	88
73) Isopropylbenzene	10.963	105	7580	1.101	ug/l	96
74) N-amyl acetate	10.848	43	2575	0.990	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	2506	1.134	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	2080m	1.139	ug/l	
77) Bromobenzene	11.201	156	1882	1.115	ug/l	98
78) n-propylbenzene	11.305	91	8584	1.082	ug/l	100
79) 2-Chlorotoluene	11.366	91	5288	1.113	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	6012	1.021	ug/l	99
82) 4-Chlorotoluene	11.457	91	6173	1.110	ug/l	98
83) tert-Butylbenzene	11.719	119	6228	1.060	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	6149	1.050	ug/l	98
85) sec-Butylbenzene	11.890	105	7106	1.005	ug/l	98
86) p-Isopropyltoluene	12.012	119	5872	0.979	ug/l	93
87) 1,3-Dichlorobenzene	11.969	146	3556	1.117	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	4020m	1.217	ug/l	
89) n-Butylbenzene	12.335	91	5105	0.978	ug/l	97
90) Hexachloroethane	12.542	117	989	1.009	ug/l	95
91) 1,2-Dichlorobenzene	12.341	146	3410	1.086	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	479	0.988	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	2332	1.139	ug/l	99
94) Hexachlorobutadiene	13.731	225	1053	1.231	ug/l	94
95) Naphthalene	13.780	128	7310	1.071	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	2375	1.141	ug/l	97

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

