

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041922\
 Data File : VX028150.D
 Acq On : 19 Apr 2022 11:10
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/20/2022
 Supervised By : Mahesh Dadoda 04/21/2022

Quant Time: Apr 19 12:45:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 12:44:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	272672	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	464138	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	450134	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	210539	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	61 - 141	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	69 - 133	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	65 - 126	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	58 - 135	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	2062	0.823	ug/l	95
3) Chloromethane	1.294	50	2771	0.995	ug/l	90
4) Vinyl Chloride	1.374	62	3306	0.974	ug/l	95
6) Chloroethane	1.685	64	4313	1.477	ug/l	96
7) Trichlorofluoromethane	1.892	101	7051	1.041	ug/l	96
8) Diethyl Ether	2.136	74	2622	1.020	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	2426	0.919	ug/l	97
12) 1,1-Dichloroethene	2.319	96	2343	0.907	ug/l	91
14) Allyl chloride	2.660	41	4003	0.870	ug/l #	82
15) Acrylonitrile	3.062	53	7913	4.567	ug/l	99
16) Acetone	2.374	43	7543	5.098	ug/l #	85
17) Carbon Disulfide	2.514	76	6479	0.954	ug/l #	91
18) Methyl Acetate	2.697	43	3721	0.937	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	8801	0.884	ug/l #	91
20) Methylene Chloride	2.794	84	2884	0.964	ug/l	88
21) trans-1,2-Dichloroethene	3.099	96	3056	0.957	ug/l	87
22) Diisopropyl ether	3.757	45	8735	0.883	ug/l #	50
23) Vinyl Acetate	3.727	43	35460	4.052	ug/l	99
24) 1,1-Dichloroethane	3.605	63	5280	0.981	ug/l	93
25) 2-Butanone	4.562	43	11445	4.427	ug/l	93
26) 2,2-Dichloropropane	4.477	77	4851	0.958	ug/l	81
27) cis-1,2-Dichloroethene	4.495	96	3715	1.027	ug/l	96
28) Bromochloromethane	4.904	49	2064	0.888	ug/l #	91
29) Tetrahydrofuran	5.019	42	7798	4.635	ug/l	92
30) Chloroform	5.105	83	5949	0.975	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	4951	0.893	ug/l #	46
36) 1,1-Dichloropropene	5.696	75	4370	0.954	ug/l #	91
37) Ethyl Acetate	4.727	43	4517	0.862	ug/l #	86
38) Carbon Tetrachloride	5.690	117	4607	0.930	ug/l	97
39) Methylcyclohexane	7.379	83	5450	0.997	ug/l	89
40) Benzene	6.037	78	12484	0.935	ug/l	99
41) Methacrylonitrile	4.922	41	2232	0.801	ug/l #	88
42) 1,2-Dichloroethane	6.098	62	4920	0.980	ug/l	96
43) Isopropyl Acetate	6.336	43	7417	0.852	ug/l #	85
44) Trichloroethene	7.129	130	3620	1.010	ug/l	92
45) 1,2-Dichloropropane	7.434	63	3197	0.956	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.586	93	2483	0.999	ug/l	96
47) Bromodichloromethane	7.824	83	4513	0.938	ug/l	89
48) Methyl methacrylate	7.696	41	3274	0.820	ug/l #	82
49) 1,4-Dioxane	7.671	88	1696	18.679	ug/l #	92
51) 4-Methyl-2-Pentanone	8.574	43	22988	4.150	ug/l	90
52) Toluene	8.720	92	8605	0.961	ug/l	90
53) t-1,3-Dichloropropene	8.982	75	3995	0.741	ug/l	97
54) cis-1,3-Dichloropropene	8.372	75	4866	0.866	ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	3279	0.902	ug/l	92
56) Ethyl methacrylate	9.116	69	4301	0.761	ug/l #	73
57) 1,3-Dichloropropane	9.311	76	5625	0.939	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.244	63	9936	3.865	ug/l	99
59) 2-Hexanone	9.433	43	16853	3.906	ug/l	85
60) Dibromochloromethane	9.519	129	3173	0.811	ug/l	88
61) 1,2-Dibromoethane	9.616	107	3455	0.867	ug/l	94
64) Tetrachloroethene	9.275	164	3716	1.046	ug/l	96
65) Chlorobenzene	10.079	112	9580	0.979	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	3555	0.981	ug/l #	59
67) Ethyl Benzene	10.195	91	15709	0.917	ug/l	95
68) m/p-Xylenes	10.305	106	11954	1.666	ug/l	97
69) o-Xylene	10.646	106	6207	0.889	ug/l	92
70) Styrene	10.659	104	8757	0.730	ug/l	96
71) Bromoform	10.799	173	2135	0.711	ug/l #	94
73) Isopropylbenzene	10.963	105	15069	1.020	ug/l	98
74) N-amyl acetate	10.848	43	4978	0.811	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	5225	1.023	ug/l	93
76) 1,2,3-Trichloropropane	11.244	75	4054m	0.889	ug/l	
77) Bromobenzene	11.201	156	3947	1.084	ug/l	94
78) n-propylbenzene	11.305	91	15142	0.886	ug/l	97
79) 2-Chlorotoluene	11.366	91	10349	0.994	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	12003	0.940	ug/l	99
82) 4-Chlorotoluene	11.457	91	11457	0.939	ug/l	99
83) tert-Butylbenzene	11.713	119	12301	0.988	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	11192	0.893	ug/l	99
85) sec-Butylbenzene	11.890	105	14328	0.909	ug/l	96
86) p-Isopropyltoluene	12.012	119	11582	0.862	ug/l	88
87) 1,3-Dichlorobenzene	11.975	146	6644	0.936	ug/l	95
88) 1,4-Dichlorobenzene	12.043	146	7742m	1.040	ug/l	
89) n-Butylbenzene	12.335	91	10004	0.878	ug/l	97
90) Hexachloroethane	12.542	117	1634	0.730	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	7164	1.012	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1098	0.976	ug/l	77
93) 1,2,4-Trichlorobenzene	13.591	180	4135	1.042	ug/l	99
94) Hexachlorobutadiene	13.725	225	2127	1.307	ug/l	90
95) Naphthalene	13.780	128	12605	0.913	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	3903	0.991	ug/l	94

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

