

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051322\
 Data File : VX028667.D
 Acq On : 13 May 2022 10:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/16/2022
 Supervised By : Mahesh Dadoda 05/16/2022

Quant Time: May 16 02:17:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	206862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	342903	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	318061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	162841	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	148045	52.209	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.420%			
35) Dibromofluoromethane	5.385	113	120104	53.459	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.920%			
50) Toluene-d8	8.647	98	456096	53.847	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.700%			
62) 4-Bromofluorobenzene	11.079	95	167141	52.831	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 105.660%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	130269	48.094	ug/l	99
3) Chloromethane	1.294	50	119539	46.861	ug/l	100
4) Vinyl Chloride	1.374	62	129948	47.271	ug/l	98
5) Bromomethane	1.605	94	101528	52.506	ug/l	99
6) Chloroethane	1.685	64	86196	49.766	ug/l	99
7) Trichlorofluoromethane	1.886	101	210625	48.057	ug/l	99
8) Diethyl Ether	2.136	74	74798	46.837	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	107574	46.642	ug/l	95
10) Methyl Iodide	2.453	142	124501	45.089	ug/l	93
11) Tert butyl alcohol	2.971	59	129723	214.432	ug/l	100
12) 1,1-Dichloroethene	2.319	96	99880	46.653	ug/l	95
13) Acrolein	2.233	56	112265	241.207	ug/l	99
14) Allyl chloride	2.666	41	164762	47.983	ug/l	90
15) Acrylonitrile	3.062	53	320806	234.816	ug/l	99
16) Acetone	2.380	43	304580	250.277	ug/l	92
17) Carbon Disulfide	2.514	76	261134	47.053	ug/l	100
18) Methyl Acetate	2.703	43	141586	46.451	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	363977	47.908	ug/l	99
20) Methylene Chloride	2.788	84	115790	45.352	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	114892	47.643	ug/l	99
22) Diisopropyl ether	3.757	45	355011	48.380	ug/l #	85
23) Vinyl Acetate	3.721	43	1580275	249.812	ug/l	96
24) 1,1-Dichloroethane	3.611	63	204832	48.016	ug/l	99
25) 2-Butanone	4.550	43	461990	241.848	ug/l	95
26) 2,2-Dichloropropane	4.477	77	164779	49.265	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	132257	46.957	ug/l	99
28) Bromochloromethane	4.897	49	88297	49.174	ug/l	93
29) Tetrahydrofuran	5.001	42	291792	234.996	ug/l	93
30) Chloroform	5.092	83	221515	47.980	ug/l	95
31) Cyclohexane	5.470	56	188967	48.010	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	195199	48.430	ug/l	99
36) 1,1-Dichloropropene	5.696	75	165908	49.166	ug/l	99
37) Ethyl Acetate	4.708	43	176020	49.941	ug/l	97
38) Carbon Tetrachloride	5.678	117	171272	50.434	ug/l	98
39) Methylcyclohexane	7.379	83	194861	50.354	ug/l	96
40) Benzene	6.037	78	477255	49.211	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	92469	48.931	ug/l	93
42) 1,2-Dichloroethane	6.086	62	177432	49.601	ug/l	98
43) Isopropyl Acetate	6.342	43	271334	49.209	ug/l	95
44) Trichloroethene	7.123	130	128989	49.042	ug/l	94
45) 1,2-Dichloropropane	7.433	63	118912	49.145	ug/l	97
46) Dibromomethane	7.580	93	88342	48.889	ug/l	92
47) Bromodichloromethane	7.824	83	170324	50.770	ug/l	99
48) Methyl methacrylate	7.690	41	133185	50.001	ug/l	87
49) 1,4-Dioxane	7.665	88	63323	951.614	ug/l	96
51) 4-Methyl-2-Pentanone	8.573	43	892898	245.843	ug/l	93
52) Toluene	8.720	92	312062	50.022	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	177694	46.145	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	196911	52.164	ug/l #	90
55) 1,1,2-Trichloroethane	9.153	97	124776	49.049	ug/l	98
56) Ethyl methacrylate	9.116	69	193737	50.291	ug/l #	84
57) 1,3-Dichloropropane	9.311	76	210754	49.119	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	454693	241.084	ug/l	99
59) 2-Hexanone	9.433	43	695348	246.421	ug/l	90
60) Dibromochloromethane	9.525	129	130111	52.444	ug/l	95
61) 1,2-Dibromoethane	9.610	107	133822	50.086	ug/l	100
64) Tetrachloroethene	9.275	164	121003	50.379	ug/l	98
65) Chlorobenzene	10.079	112	330765	49.021	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	121375	50.780	ug/l	99
67) Ethyl Benzene	10.195	91	603645	49.912	ug/l	99
68) m/p-Xylenes	10.305	106	470341	99.890	ug/l	99
69) o-Xylene	10.640	106	228181	49.221	ug/l	98
70) Styrene	10.659	104	383103	50.888	ug/l	98
71) Bromoform	10.799	173	89304	45.268	ug/l #	99
73) Isopropylbenzene	10.963	105	598628	48.476	ug/l	99
74) N-amyl acetate	10.841	43	239091	49.253	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	198419	46.836	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	183692m	48.168	ug/l	
77) Bromobenzene	11.201	156	141204	48.326	ug/l	96
78) n-propylbenzene	11.305	91	706574	49.465	ug/l	100
79) 2-Chlorotoluene	11.366	91	415739	47.486	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	510840	49.645	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	55547	43.959	ug/l #	86
82) 4-Chlorotoluene	11.457	91	489743	48.387	ug/l	100
83) tert-Butylbenzene	11.713	119	485638	48.746	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	510466	49.471	ug/l	100
85) sec-Butylbenzene	11.890	105	612523	49.843	ug/l	99
86) p-Isopropyltoluene	12.012	119	520072	50.433	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	276138	48.182	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	282208	47.473	ug/l	98
89) n-Butylbenzene	12.335	91	461232	51.622	ug/l	97
90) Hexachloroethane	12.542	117	84457	50.646	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	273840	48.639	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	44635	49.342	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	166767	51.285	ug/l	98
94) Hexachlorobutadiene	13.725	225	66658	50.459	ug/l	95
95) Naphthalene	13.774	128	608830	52.615	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	165764	50.755	ug/l	96

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

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