

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074660.D
 Acq On : 30 Sep 2022 11:40
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 03 02:04:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 30 07:44:59 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/03/2022
 Supervised By : Mahesh Dadoda 10/05/2022

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

Internal Standards						
1) Pentafluorobenzene	7.928	168	414011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	726017	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.616	117	786562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.545	152	533887	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.287	65	503220	48.498	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.000%
35) Dibromofluoromethane	7.863	113	367220	47.787	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.580%
50) Toluene-d8	10.310	98	1616579	50.012	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.020%
62) 4-Bromofluorobenzene	12.604	95	536566	52.351	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.700%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.999	85	418968	48.339	ug/l	96
3) Chloromethane	2.216	50	598412	47.195	ug/l	97
4) Vinyl Chloride	2.352	62	901647	48.971	ug/l	97
5) Bromomethane	2.728	94	654559	51.464	ug/l	97
6) Chloroethane	2.893	64	659262	46.595	ug/l	96
7) Trichlorofluoromethane	3.240	101	594628	46.449	ug/l	97
8) Diethyl Ether	3.675	74	272265	51.256	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.052	101	358332	46.971	ug/l	90
10) Methyl Iodide	4.252	142	452192	49.884	ug/l	95
11) Tert butyl alcohol	5.169	59	593497	214.178	ug/l	100
12) 1,1-Dichloroethene	4.022	96	349877	45.248	ug/l	98
13) Acrolein	3.887	56	289015	255.801	ug/l	99
14) Allyl chloride	4.657	41	803383	48.100	ug/l	96
15) Acrylonitrile	5.357	53	1587366	242.765	ug/l	99
16) Acetone	4.122	43	1481340	300.244	ug/l	96
17) Carbon Disulfide	4.357	76	1051877	46.613	ug/l	99
18) Methyl Acetate	4.663	43	895510	46.713	ug/l	91
19) Methyl tert-butyl Ether	5.416	73	1417981	48.048	ug/l	97
20) Methylene Chloride	4.899	84	446613	50.508	ug/l #	77
21) trans-1,2-Dichloroethene	5.399	96	388013	45.934	ug/l	89
22) Diisopropyl ether	6.304	45	1687487	49.664	ug/l #	96
23) Vinyl Acetate	6.240	43	7408797	248.089	ug/l #	91
24) 1,1-Dichloroethane	6.193	63	848436	48.934	ug/l	98
25) 2-Butanone	7.157	43	2362560	247.372	ug/l	91
26) 2,2-Dichloropropane	7.151	77	711798	48.274	ug/l	100
27) cis-1,2-Dichloroethene	7.157	96	486086	47.046	ug/l	93
28) Bromochloromethane	7.487	49	407558	51.610	ug/l #	69
29) Tetrahydrofuran	7.510	42	1575481	250.012	ug/l	86
30) Chloroform	7.657	83	807022	50.506	ug/l	97
31) Cyclohexane	7.934	56	787003	46.686	ug/l	91
32) 1,1,1-Trichloroethane	7.851	97	693840	49.482	ug/l	97
36) 1,1-Dichloropropene	8.063	75	624682	50.759	ug/l	95
37) Ethyl Acetate	7.240	43	917364	50.450	ug/l #	93
38) Carbon Tetrachloride	8.045	117	587041	52.067	ug/l	99
39) Methylcyclohexane	9.316	83	798658	51.982	ug/l	93
40) Benzene	8.304	78	1951085	51.437	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.475	41	413209m	51.878	ug/l	
42) 1,2-Dichloroethane	8.381	62	649090	50.937	ug/l	97
43) Isopropyl Acetate	8.416	43	1488610	51.126	ug/l	92
44) Trichloroethene	9.075	130	408855	51.737	ug/l	91
45) 1,2-Dichloropropane	9.351	63	520533	50.408	ug/l	100
46) Dibromomethane	9.439	93	324215	49.812	ug/l #	85
47) Bromodichloromethane	9.628	83	643190	50.562	ug/l #	94
48) Methyl methacrylate	9.422	41	606360	50.536	ug/l	92
49) 1,4-Dioxane	9.428	88	219396	958.607	ug/l #	94
51) 4-Methyl-2-Pentanone	10.204	43	4859701	263.765	ug/l	90
52) Toluene	10.375	92	1211334	52.888	ug/l	97
53) t-1,3-Dichloropropene	10.592	75	793534	55.031	ug/l	99
54) cis-1,3-Dichloropropene	10.057	75	830509	52.276	ug/l #	90
55) 1,1,2-Trichloroethane	10.775	97	472071	51.144	ug/l	97
56) Ethyl methacrylate	10.639	69	867077	54.457	ug/l #	85
57) 1,3-Dichloropropane	10.916	76	858611	52.561	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.910	63	1838393	282.804	ug/l #	88
59) 2-Hexanone	10.963	43	3718166	267.033	ug/l	89
60) Dibromochloromethane	11.110	129	488188	54.976	ug/l	99
61) 1,2-Dibromoethane	11.216	107	479834	53.050	ug/l	99
64) Tetrachloroethene	10.845	164	335074	50.388	ug/l	92
65) Chlorobenzene	11.645	112	1222089	51.927	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.716	131	442795	52.736	ug/l	99
67) Ethyl Benzene	11.722	91	2353288	53.442	ug/l	99
68) m/p-Xylenes	11.828	106	1815631	108.887	ug/l	96
69) o-Xylene	12.157	106	891158	53.169	ug/l	97
70) Styrene	12.169	104	1511510	56.544	ug/l	99
71) Bromoform	12.333	173	356460	52.946	ug/l #	99
73) Isopropylbenzene	12.457	105	2412793	48.244	ug/l	98
74) N-amyl acetate	12.269	43	1371433	52.428	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.704	83	855288	53.796	ug/l	99
76) 1,2,3-Trichloropropane	12.757	75	577785m	48.414	ug/l	
77) Bromobenzene	12.733	156	484357	52.672	ug/l	79
78) n-propylbenzene	12.798	91	2904818	50.354	ug/l	96
79) 2-Chlorotoluene	12.880	91	1625865	46.900	ug/l	97
80) 1,3,5-Trimethylbenzene	12.933	105	2033247	50.947	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.498	75	325152	50.894	ug/l	95
82) 4-Chlorotoluene	12.980	91	1648486	51.098	ug/l	97
83) tert-Butylbenzene	13.198	119	1744368	48.940	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	2043318	51.269	ug/l	96
85) sec-Butylbenzene	13.374	105	2575106	51.412	ug/l	98
86) p-Isopropyltoluene	13.492	119	2118524	53.389	ug/l	97
87) 1,3-Dichlorobenzene	13.486	146	965709	49.675	ug/l	97
88) 1,4-Dichlorobenzene	13.569	146	992084	49.931	ug/l	99
89) n-Butylbenzene	13.816	91	1874107	53.533	ug/l	97
90) Hexachloroethane	14.086	117	406700	47.631	ug/l	78
91) 1,2-Dichlorobenzene	13.863	146	987818	48.692	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.474	75	170271	44.409	ug/l	90
93) 1,2,4-Trichlorobenzene	15.127	180	463584	51.149	ug/l	99
94) Hexachlorobutadiene	15.233	225	205090	54.303	ug/l	98
95) Naphthalene	15.363	128	1797236	50.680	ug/l	99
96) 1,2,3-Trichlorobenzene	15.551	180	452359	50.135	ug/l	98

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

