

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011224\
 Data File : VX039725.D
 Acq On : 12 Jan 2024 10:27
 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 01/15/2024
 Supervised By : Mahesh Dadoda 01/15/2024

Quant Time: Jan 12 22:32:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	105846	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	183544	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	165838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79732	44.968	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.940%		
35) Dibromofluoromethane	5.385	113	61490	49.739	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.480%		
50) Toluene-d8	8.646	98	232954	49.962	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.920%		
62) 4-Bromofluorobenzene	11.079	95	89853	49.281	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.560%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	70226	51.280	ug/l	99
3) Chloromethane	1.294	50	72432	46.312	ug/l	98
4) Vinyl Chloride	1.373	62	74918	50.758	ug/l	99
5) Bromomethane	1.593	94	38259	45.429	ug/l	98
6) Chloroethane	1.666	64	33739	40.210	ug/l	99
7) Trichlorofluoromethane	1.873	101	110342	51.823	ug/l	99
8) Diethyl Ether	2.135	74	41458	52.689	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.318	101	68463	51.865	ug/l	99
10) Methyl Iodide	2.446	142	79004	56.733	ug/l	93
11) Tert butyl alcohol	3.013	59	98800	214.062	ug/l #	92
12) 1,1-Dichloroethene	2.312	96	64744	50.822	ug/l	92
13) Acrolein	2.233	56	74234	262.241	ug/l	98
14) Allyl chloride	2.660	41	122240	48.753	ug/l	97
15) Acrylonitrile	3.062	53	221458	232.284	ug/l	99
16) Acetone	2.379	43	204050	204.630	ug/l	90
17) Carbon Disulfide	2.501	76	171498	46.837	ug/l	100
18) Methyl Acetate	2.702	43	101795	48.795	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	231126	51.103	ug/l	97
20) Methylene Chloride	2.782	84	74657	49.497	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	68123	50.814	ug/l	95
22) Diisopropyl ether	3.757	45	246536	51.524	ug/l	92
23) Vinyl Acetate	3.714	43	1139724	256.243	ug/l	100
24) 1,1-Dichloroethane	3.605	63	134350	51.038	ug/l	99
25) 2-Butanone	4.556	43	326142	227.595	ug/l	100
26) 2,2-Dichloropropane	4.470	77	111230	52.648	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	80461	52.328	ug/l	98
28) Bromochloromethane	4.891	49	58979	49.428	ug/l	96
29) Tetrahydrofuran	5.001	42	211340	229.135	ug/l	100
30) Chloroform	5.086	83	134973	51.940	ug/l	97
31) Cyclohexane	5.464	56	120608	51.541	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	114985	51.685	ug/l	99
36) 1,1-Dichloropropene	5.684	75	98649	51.265	ug/l	99
37) Ethyl Acetate	4.714	43	123609	48.151	ug/l	99
38) Carbon Tetrachloride	5.665	117	93981	53.325	ug/l	94
39) Methylcyclohexane	7.378	83	125347	54.246	ug/l	98
40) Benzene	6.031	78	292947	53.763	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	65368	52.071	ug/l	96
42) 1,2-Dichloroethane	6.080	62	110434	53.310	ug/l	99
43) Isopropyl Acetate	6.336	43	197033	52.321	ug/l	100
44) Trichloroethene	7.116	130	72927	54.611	ug/l	97
45) 1,2-Dichloropropane	7.427	63	78995	54.043	ug/l	98
46) Dibromomethane	7.580	93	53241	52.735	ug/l	99
47) Bromodichloromethane	7.817	83	99724	53.333	ug/l	97
48) Methyl methacrylate	7.689	41	94898	51.267	ug/l	95
49) 1,4-Dioxane	7.665	88	34810	971.882	ug/l #	92
51) 4-Methyl-2-Pentanone	8.573	43	651783	251.305	ug/l	99
52) Toluene	8.714	92	181284	55.701	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	110866	55.877	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	121152	55.531	ug/l	96
55) 1,1,2-Trichloroethane	9.152	97	74071	53.456	ug/l	91
56) Ethyl methacrylate	9.116	69	124751	55.627	ug/l	98
57) 1,3-Dichloropropane	9.305	76	126039	53.675	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	300747	283.714	ug/l	94
59) 2-Hexanone	9.433	43	523217	254.894	ug/l	99
60) Dibromochloromethane	9.518	129	73131	55.964	ug/l	100
61) 1,2-Dibromoethane	9.610	107	78606	54.781	ug/l	100
64) Tetrachloroethene	9.268	164	59015	54.722	ug/l	96
65) Chlorobenzene	10.079	112	189923	54.986	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.158	131	67878	57.714	ug/l	98
67) Ethyl Benzene	10.189	91	353482	55.123	ug/l	97
68) m/p-Xylenes	10.299	106	263390	111.684	ug/l	97
69) o-Xylene	10.640	106	130612	55.924	ug/l	97
70) Styrene	10.652	104	214351	56.184	ug/l	100
71) Bromoform	10.799	173	51438	58.245	ug/l #	99
73) Isopropylbenzene	10.963	105	347317	53.664	ug/l	100
74) N-amyl acetate	10.841	43	186774	55.364	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	127641	51.648	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	103427m	49.075	ug/l	
77) Bromobenzene	11.195	156	76047	52.773	ug/l	96
78) n-propylbenzene	11.305	91	420827	53.723	ug/l	98
79) 2-Chlorotoluene	11.366	91	247977	51.220	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	294789	53.629	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	37099	52.300	ug/l	94
82) 4-Chlorotoluene	11.451	91	285026	51.903	ug/l	99
83) tert-Butylbenzene	11.713	119	285559	54.415	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	301276	54.938	ug/l	100
85) sec-Butylbenzene	11.890	105	374133	54.921	ug/l	99
86) p-Isopropyltoluene	12.006	119	303429	55.731	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	150501	54.484	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	149398	52.366	ug/l	98
89) n-Butylbenzene	12.329	91	285823	54.354	ug/l	97
90) Hexachloroethane	12.536	117	51726	56.315	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	147128	53.876	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	28688	47.372	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	89006	53.334	ug/l	99
94) Hexachlorobutadiene	13.725	225	38673	55.746	ug/l	98
95) Naphthalene	13.774	128	325931	53.052	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	90242	53.578	ug/l	98

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

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